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YOUR

# Arizona Planting Guide

1942



*Liefgreen*

**SEED  
COMPANY**



339 W. VAN BUREN • PHOENIX, ARIZONA.



# NEW FLOWER VARIETIES FOR 1942



*Dimorphotheca, Double Crested Hybrids*

**PEERLESS PINK LADY**—Fluted and Crested. **Packet 35c; 3 packets \$1.00.**

**PEERLESS WHITE CLOUD**—A beautiful soft velvet white. Especially adapted as a cut flower with its strong 15-inch stems. **Packet 35c; 3 packets \$1.00.**

**PEERLESS COSMOS** produce approximately about 65% double, which is an unusual high percentage for Cosmos. They are unsurpassed as an easily grown annual for the home garden and attract considerable attention as a florist cut flower.

## DIMORPHOTHECA

(African Daisy)

### DOUBLE HYBRIDS MIXED

We offer with pleasure this new double strain in the very popular AFRICAN DAISY group. The presentation of the this double crested novelty culminates years of selection and Hybridization. We predict it will be the most outstanding novelty for 1942.

The DOUBLE HYBRIDS Mixture range in color from deep salmon orange to white, with many lemon and biscuit shades. The plant measures about 14 inches in diameter and grows 8 to 10 inches tall. Individual flowers average 1 3/4 inches and have a one-inch crested center.

Our new DOUBLE HYBRIDS will stay in bloom twice as long as the ordinary strains of African Daisy and will show color when they are a few inches high. We class this double African Daisy as a half-hardy annual; and it definitely withstands hot weather, as the species is a native of Africa.

Each plant is a mass of flowers throughout the season and all come into bloom quite early. About 65% of the flowers are double crested with an additional percentage semi-double. **Price per packet 25 cents; 5 packets \$1.00, postpaid.**

In the Salt River Valley and similar climates, plant during the fall, winter and spring months, from August until March.

## COSMOS—DOUBLE PEERLESS

"Pink Lady" and "White Cloud"

Separate colors are now available in the Double Sensation Type Cosmos, called "Peerless Pink Lady" and "Peerless White Cloud." These two "Peerless" varieties are extra early flowering. Flowers are beautifully formed and will average between 4 and 5 inches in diameter. The plants grow from 3 to 4 feet tall, producing many flowers with thrifty foliage, and will continue blooming over a very long period.

**Pink Lady** has two forms of double flowers, one "fluted" type and the other a "crested" type which will produce two-inch crested centers.

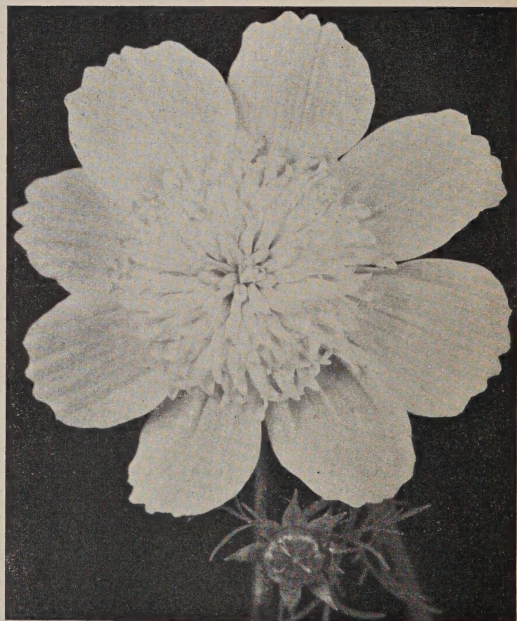
## COSMOS

Fluted and Crested Double Mixed

This PEERLESS mixture contains both the **PINK LADY** and **WHITE CLOUD** and also a dark crimson selection and similar in habit and other flowering characteristics. Much larger than the ordinary crested variety and very early blooming. **Pkt. 25c; 5 pkts \$1.00, postpaid.**



*Cosmos Peerless "Pink Lady"*



*Cosmos Peerless "White Cloud"*



# GOOD SEEDS . . . First Essential of Successful Growing

## YOUR PURCHASE OF SEEDS IS A MATTER OF CONFIDENCE

LIEFGREEN SEED COMPANY, INC., sell only seed of SUPERIOR QUALITY. Your greatest assurance of crop success is OUR TESTED RELIABLE SEED.

We purchase seed only from growers who have proven their reliability through our years of experience in dealing with them. New strains and types are all tried out in this climate before they are offered to our discriminating trade. All seed offered in this catalog have been tested and proven as the best types and strains for successful planting in this and similar climates.

### GENERAL PLANTING DIRECTIONS FOR GROWING FLOWERS FROM SEED

**LOCATION:** Nearly all flowers do well in sunny locations. Only a few can be grown in the shade. For flowers blooming in the late spring, high shade from the hot afternoon sun should be provided.

**SOIL:** Light, rich loamy soil is best suited for flowers. To improve heavy soils and conserve moisture, add peat moss and sand liberally. Spade the soil deeply and make the top 3 or 4 inches as fine and loose and smooth as possible. Well rotted manure worked into the soil before planting may be used if desired.

**SOWING THE SEED.** Fine seeds should be planted on the surface and a very little soil sprinkled over them, after which they should be pressed firmly to the soil with a board. Medium size seeds may be planted twice the depth of their diameter, or from  $\frac{1}{4}$  to  $\frac{1}{2}$  inch deep. Larger seeds, such as sweet peas should go deeper.

**WATERING:** After planting, water with a fine spray to avoid washing the soil from the seed. Keep top soil damp—not wet—until germination. When large enough, thin plants from 2 to 12 inches, depending upon the variety. Water plants thoroughly ONLY at intervals—not daily. Watering depends upon the time of year, texture of soil and nature of plant.

**FERTILIZER:** We recommend the use of an all-purpose commercial fertilizer as a top dressing after the plants are up, to stimulate and properly feed the plants.



Giant Snapdragons

## Antirrhinum or Snapdragon

LIEFGREEN'S TALL GIANT FLOWERING—Height  $2\frac{1}{2}$  to 3 feet. Plant in a sunny location during the fall and spring months. Thin out plants to about 10 inches apart. Lovely as cut flowers. Excellent bedding and border plants. Will carry through the hot summer months if cut back and high shaded. We offer named varieties:

QUEEN VITORIA—Pure white.  
GOLDEN KING—Golden yellow.  
ROSE QUEEN—Soft rose pink.  
BRONZE HARMONY—Terra cotta.  
CARDINAL—Bright scarlet.  
OTHELLO—Maroon, satin sheen.

Each color: Pkt. 10c,  $\frac{1}{4}$  oz. 60c, oz. \$2.00.

### TALL VARIETIES

1 Pkt. each of above named varieties—6 pkts. 60c value.

40c postpaid.

### SEMI-DWARF VARIETIES

1 Pkt. each of above named varieties—5 15c pkts. (75c value).

60c postpaid.

TALL MIXED ANTIRRHINUM or SNAPDRAGONS—A selected mixture of many colors. Pkt. 10c,  $\frac{1}{4}$  oz. 40c, oz. \$1.25.

## Liefgreen's Semi-Dwarf Antirrhinums (Snapdragons)

Height about 15 inches. Equally as lovely as the Tall Giant Flowering type. Excellent named varieties:

FASCINATION—Deep pink.  
DAZZLER—Bright scarlet.  
WHITE WONDER—Pure white.  
LUTEUM SUPERBUM—Clear yellow.  
VICTORY—Terra cotta, orange bronze.

Each color: Pkt. 15c,  $\frac{1}{4}$  oz. 75c, oz. \$2.50.

SEMI-DWARF VARIETIES MIXED—All colors. Pkt. 10c,  $\frac{1}{4}$  oz. 60c, oz. \$2.00.

## Ageratum

MIDGET BLUE—(All-America Silver medal)—This is an ideal annual edging for flower beds and for borders. The flowers are fluty bright azure-blue, growing in clusters and entirely covering the plants. Height about 4 inches. Pkt. 25c, 5 pkts. \$1.00.

BLUE PERFECTION—A very fine bedding sort, compact and large flowered. Color a deep amethyst blue. Height 1 ft. Pkt. 10c,  $\frac{1}{4}$  oz. 20c, oz. 60c.

## Sweet Alyssum

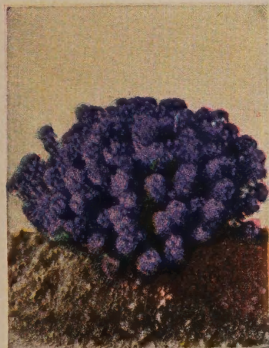
In valuable as a border plant. Annual. Plant from early fall to late spring. Blooms within six to eight weeks.

VIOLET QUEEN (NEW)—Dwarf, bright violet. Really beautiful. Pkt. 15c,  $\frac{1}{4}$  oz. 35c,  $\frac{1}{2}$  oz. 65c, oz. \$1.25.

LITTLE GEM—Dwarf. White; free blooming. Pkt. 10c,  $\frac{1}{2}$  oz. 35c, oz. 60c.

LILAC QUEEN—Dwarf, deep lavender. Pkt. 10c,  $\frac{1}{2}$  oz. 40c, oz. 75c.

MIXED SWEET ALYSSUM—A well blended mixture of dwarf varieties. Pkt. 10c,  $\frac{1}{2}$  oz. 35c, oz. 60c.



Alyssum Violet Queen



Ageratum, Midget Blue



# All LIEFGREEN'S Flower Seeds Are Shipped Postpaid



Carnations

## Carnation

Plant from September until April. Cover seed lightly and protect until established. Transplant to about 12 inches apart. Perennial if in semi-shade during the summer months. Height about 18 inches.

**MARGUERITE MIXED**—Flowers mostly double in an excellent range of colors. Pkt. 10c, 1/4 oz. 60c, oz. \$1.75.

**CHABAUD'S GIANT FLOWERING IMPROVED**—A magnificent strain and one of the largest carnations grown. Ten to 20 stalks to the plant. About 95 per cent double. Height 19 to 24 inches. Pkt. 20c, 1/2 oz. \$1.00, 1/4 oz. \$1.75.

## Castor Bean

(*Ricinus*) Tall, tree-like, excellent for quick shade. Annual. Very ornamental with large attractive leaves, producing a beautiful tropical effect. Height 6 to 8 feet. Plant in spring and early summer months. Pkt. 10c, oz. 15c, 1/4 lb. 50c.

## Canterbury Bells

Generally a biennial but will bloom in Arizona the first spring if planted early in the fall months. Large bell-shaped flowers on strong growing plants. An old favorite. Height 2 ft. Mixed colors: Pkt. 10c, 1/4 oz. 40c, oz. \$1.25.

## Canna

**CROZY'S MIXED**—A wide range of colors. Pkt. 10c, 1/4 oz. 20c, oz. 60c.

## Candytuft

A hardy annual producing large flower clusters resembling hyacinths. Plant during the fall, winter and early spring months. Height 12 to 18 inches. Fine for borders or cutting.

**UMBELLATA MIXED**—Also WHITE, PINK and CRIMSON—Each, pkt. 10c, oz. 40c.

**GIANT WHITE HYACINTH FLOWERED**—A giant Candytuft bearing immense snowy white spikes, which often measure 10 inches or more. Don't fail to give this a trial. Pkt. 10c, 1/2 oz. 30c, oz. 50c.

## African Daisy

(*Dimorphotheca Aurantiaca*)

One of the best winter flowering annuals. The bright daisy-like flowers appear on stems about a foot high and cover beds, borders and parkings with a mass of blooms. Blooms within six to eight weeks.

**NEW ORANGE IMPROVED**—Large flowers, bright deep orange. Pkt. 10c, 1/4 oz. 40c, oz. \$1.25.

**GLISTENING WHITE (New)**—Dazzling white petals with blue-black center. Pkt. 15c, 1/2 oz. 75c, 1/4 oz. \$1.25.

**HYBRIDS**—Mixed colors ranging from white, light pink, apricot, yellow and orange. Pkt. 10c, 1/4 oz. 40c, oz. \$1.25.

## Anagallis

Annual. Height about 1 foot. Lovely medium size daisy-like flowers in many brilliant hues, reds and blue predominating. Plant in the open in a sunny location.

**MIXED COLORS**—Pkt. 10, 1/4 oz. 25c, oz. 75c.

## Arctotis

Sow in beds in fall or early spring.

**GRANDIS (Blue-Eyed African Daisy)**—Half hardy annual bearing daisy-like flowers. Color pearl white and mauve center. Height 2 ft. Pkt. 10c, 1/4 oz. 20c.

**HYBRIDS MIXED**—Flowers in many shades of pink, rose, yellow, etc., with a dark disc in center. A half-hardy annual growing about 1 foot high. Free flowering. Pkt. 15c, 1/16 oz. 60c.

## Asters

Asters are best suited to the higher altitudes of Arizona. We have a new early flowering type, wilt-resistant. The petals are wide and closely placed and the colors are new and varied. Plant in the open after danger of frost.

**AMERICAN BEAUTY EARLY**—Mixed colors only. Pkt. 10c, 1/4 oz. 50c, oz. \$1.50.

## Amaranthus

(*Love Lies Bleeding*)—Annual plants with strikingly beautiful ornamental foliage. Excellent for tropical effect.

**CAUDATUS**—Bright crimson flowers in drooping panicles. Height 2 to 3 feet. Open, sunny location. Pkt. 10c, 1/4 oz. 20c, oz. 50c.

## Anemones (Wind Flower)

**GIANT FRENCH MIXED**—Easily grown from seed. Plant seed during fall and winter months. Pkt. 10c, 1/2 oz. 35c, 1/4 oz. \$1.00.

## Asparagus Fern

**PLUMOSUS**—Perennial, used as a vine when fastened to a trellis; also used in pots and hanging baskets. Feathery delicate foliage is used extensively with cut flowers. Soak seed in water before planting.

**SPRENGERI**—A more hardy variety than *Plumosus*. Used mostly in pots and hanging baskets. A very decorative perennial. Pkt. 10c, 100 seeds 50c.



Aquilegia (Columbine)



Arctotis Hybrids Mixed

## Bachelor Button or Cornflower

(*Centaurea Cyanus*) Hardy annual requiring little care. Height 12 to 14 inches. Nice as a cut flower alone or in mixed bouquets.

**FLORIST'S BLUE**—Large flowers, bright deep blue. Pkt. 10c, oz. 60c.

**MIXED COLORS**—Light and dark blues, white, rose pink and light red shades. Pkt. 10c, oz. 40c.

## Balsam

(*Lady Slipper*) Tender annual used for beds and borders. Height about 2 feet. Camellia-like flowers. Plant in semi-shade during the spring months.

**MIXED COLORS**—Pkt. 10c, 1/4 oz. 25c, oz. 75c.

## Browallia

**ELATA BLUE**—Very free flowering half hardy annual. Flowers are a unique amethyst blue height 18 inches. Excellent for bedding or cutting. Pkt. 10c, 1/4 oz. 40c, oz. \$1.25.

## Celosia (Cockscomb)

**CELOSIA CRISTATA**—Showy, sun-loving annuals. Sow seed in the early spring after frost period. Transplant or thin to 10 inches apart. Produce ornamental plants with magnificent combs of velvety flowers.

**TALL MIXED**—Shades of red, pink, and yellow, about 18 in. high. Pkt. 10c, 1/4 oz. 30c, oz. 90c.

**TALL CRIMSON**—Brilliant velvety crimson combs on stems 2 ft. tall. Pkt. 10c, 1/4 oz. 30c, oz. 90c.

**EMPRESS**—Dwarf rich crimson about 1 foot high. Dark foliage. Pkt. 10c, 1/4 oz. 65c, oz. \$1.75.

**CELOSIA PLUMOSA**—Feathered Cockscomb. Tall feathered plumes 2 ft. or more in height. Very decorative for summer beds or borders.

**Mixed Only**—Colors range from clear yellow to deepest blood red. Pkt. 10c, 1/4 oz. 25c, oz. 75c.

## Cactus

Cactus seed should be planted during the spring and summer months in natural desert soil or a mixture of sand, fine silt and leaf mold. Seed should be planted shallow and kept slightly moist until germination, then watered sparingly.

**MIXED VARIETIES**—Including many rare sorts. Pkt. 25c, 5 pkts. \$1.00.

## Columbine

(*Aquilegia*) Plant in semi-shade during the fall and winter months. Will make vigorous plants with delicate lacy-like foliage and bloom abundantly the following spring. Perennial. Height about 2 to 3 feet.

**LONG-SPURRED HYBRIDS**—A superb strain producing very beautiful large flowers in all shades of blue, lavender, yellow, rose and white. Mixed colors: Pkt. 10c, 1/2 oz. 40c, 1/4 oz. 75c, oz. \$2.50.



# Buy Liefgreen's Carefully Selected Seeds

## Calendula

(Pet Marigold) One of the most popular and showiest of the winter and spring blooming flowers. Used for beds, borders and cut flowers. Plant from September throughout the winter and early spring month. Height about 12 to 18 inches. Thin to 12 inches apart.

**CAMPFIRE SENSATION IMPROVED**—Extra large, deep orange with scarlet sheen. Pkt. 15c, 1/4 oz. 30c, oz. 90c.

**CHRYSANTHA FLOWERED**—Resembling a chrysanthemum in an exquisite buttercup yellow. Pkt. 10c, 1/2 oz. 40c, oz. 75c.

**ORANGE SHAGGY**—Petals deeply fringed and overlapping. Bright orange. Pkt. 10c, 1/2 oz. 40c, oz. 75c.

**ORANGE KING**—Deep orange red with dark center. Large flowers. Pkt. 10c, oz. 40c.

**LEMON QUEEN**—Rich clear lemon yellow with dark center. Large flowers. Pkt. 10c, oz. 40c.

**RADIO**—Golden yellow with petals evenly and prettily quilled. Pkt. 10c, oz. 50c.

**APRICOT QUEEN**—Soft apricot shaded orange, dark center. Pkt. 15c, 1/4 oz. 30c, 1/2 oz. 50c, oz. 90c.

**DOUBLE MIXED CALENDULAS**—Large flowers, long-stemmed varieties and colors. Pkt. 10c, oz. 40c.

## Calliopsis

Showy and beautiful free-flowering annual thriving in most any location except complete shade. Have a long blooming period and make lovely bouquets. Plant from September to May. Height 2 to 3 ft.

**BI COLOR DWARF MIXED**—Yellow with dark center. Pkt. 10c, oz. 40c.

## Centaurea Moschatos

(Sweet Sultan) The large thistle-like blossoms are a well known favorite growing to a height of 2 1/2 feet. Colors range from deep lavender, rose, pink, yellow and white. Plant in the open during the fall months.

**MIXED COLORS**—Pkt. 10c, 1/4 oz. 25c, oz. 75c.

## Chinese Woolflower

(Celosia Childs) Flowers resemble huge balls of wool. Plant in early spring in a sunny situation. When cut and hung to dry make unusual everlasting flowers. Height . . . ft.

**MIXED COLORS**—Include crimson, pink, rose and yellow. Pkt. 10c, 1/8 oz. 30c, 1/4 oz. 50c.

## Chrysanthemum (Annual)

Plant seed during the spring months and disbud for large blooms.

**SINGLE and DOUBLE MIXED**—Many bright shades and varieties. Pkt. 10c, 1/2 oz. 25c, oz. 45c.

## Clarkia

A hardy annual very popular as it thrives well in semi-shady locations. Handsome flowers on leafy stems—nice for beds or cutting. Height 18 inches. Plant in the fall or early spring.

**SINGLE and DOUBLE MIXED**—Many colors ranging from bright crimson, orange, salmon, pink and purple. Pkt. 10c, oz. 60c.



*Calendula, Campfire Sensation Improved*

## Coleus

Brilliantly colored foliage plants for beds, borders, pots, or edgings to taller plants. Plant in the early spring. Height 1 to 2 ft. Wonderful shades and combinations. Pkt. 25c.

## Coreopsis

Plant seed during the fall and winter months in any location except all shade. The lovely golden yellow flowers have a long blooming period throughout the spring and early summer months. Height 2 ft. Nice for cutting. Annual.

**NEW DOUBLE SUNBURST**—Large double flowers. Very bright and showy. Pkt. 10c, 1/2 oz. 75c.

**ARIZONA SUNBEAM**—Very large golden flowers. Sgle. Pkt. 10c, oz. 50c.

## Cosmos

For a lovely garden during the summer and fall months, plant both early and late varieties of Cosmos throughout the spring and early summer months. Very graceful finely cut foliage with large, long-stemmed flowers. Plants are bushy, ranging from 5 to 8 feet high. Height may be controlled by pinching out center bud. Effective in any situation and make lovely cut flowers. Blooms within 8 to 10 weeks. Annual.

**PINK LADY, DOUBLE**—See inside front cover.

**WHITE CLOUD**—See inside front cover.

**PEERLESS DOUBLE MIXED**—See inside front cover.

**EARLY MAMMOTH**—Pink, crimson and white. Each color: Pkt. 10c, 1/4 oz. 25c, oz. 75c.

**EARLY MAMMOTH MIXED**—All colors mixed. Pkt. 10c, 1/4 oz. 20c, oz. 60c.

**EARLY DOUBLE CRESTED**—Flowers large and mostly double with a crest of narrow petals in the center. Mixed colors: Pkt. 15c, 1/8 oz. 60c.

## New Sensation Cosmos

**SENSATION PINKIE**—Flowers of immense size in a delightful bright rose pink. Pkt. 15c, 1/4 oz. 45c, 1/2 oz. 75c, oz. \$1.25.

**SENSATION MIXED**—Very large flowers in colors of deep rose, light pink and white. Pkt. 10c, 1/4 oz. 35c, 1/2 oz. 60c, oz. \$1.00.

## Orange Yellow Cosmos

**EARLY ORANGE FLARE**—Bright orange. Blooms very early. Dwarf. Pkt. 10c, 1/4 oz. 40c, oz. \$1.25.

**KLONDIKE ORANGE**—Vivid orange. Blooms in late fall. Very tall. Pkt. 10c, 1/4 oz. 35c, oz. \$1.00.

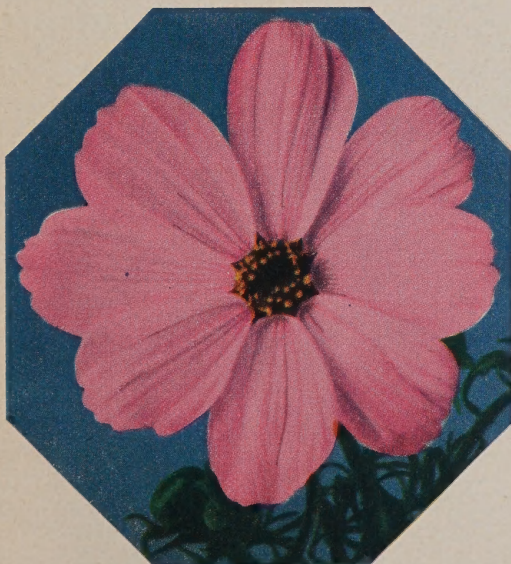
## Digitalis

(Foxglove) Particularly adapted to the higher altitudes but will do well in warmer climates when planted in partial shade. Tall growing plants with very showy blooms. Annual.

**FINEST MIXED**—Salmon, yellow, purple, rose and white with blotched throats. Pkt. 10c, 1/4 oz. 30c, oz. 75c.

## Double Daisy

(Bellis Perennis) Plant early in the fall for early spring blooms at which time it blossoms freely. Nice for borders as it grows only 4 to 5 in. high. **MIXED COLORS**—Pkt. 10c, 1/8 oz. 60c.



*Cosmos, Sensation Pinkie*



# Colorful Spring Flowers Beautify the Home

## Shasta Daisy

A perennial which may be planted from early fall until late spring. Does well in any situation except complete shade. Valuable for bedding and borders and makes a lovely cut flower. Glistening white petals with yellow center.

**ALASKA**—The best large flowered single variety. Long, strong stems. Pkt. 10c, 1/4 oz. 40c, 1/4 oz. 65c.

**GIANT DOUBLE (DIENER'S STRAIN)**—Very large and about 80 per cent very double, resembling a delicate shaggy chrysanthemum. New and unusual. Pkt. 25c.

## Painted Daisy

(Annual *Chrysanthemum*) Daisy-like flowers are varied and many colored. Large blooms on long stems, making them particularly valuable for cut flowers. Plant during the fall months. Height to about 2 1/2 feet. All colors mixed: Pkt. 10c, oz. 45c.

## Dianthus

(Chinese Pin's) Hardy annuals, bearing beautifully colored single and double blossoms. Grows about 12 inches high. Plant early in the fall in rows where plants are to remain. Thin to 8 inches apart.

**HEDDEWIGI DOUBLE MIXED**—All colors in scarlet, pink, and white. Pkt. 10c, 1/2 oz. 50c, oz. 90c.

**HEDDEWIGI SINGLE MIXED**—Fine selection of colors. Pkt. 10c, 1/2 oz. 40c, oz. 75c.

## Didiscus Coeruleus

(Blue Lace Flower) An annual about 18 inches high. Beautiful clusters of light blue flowers resembling lace, on long stems. Plant in the open where plants are to remain. Easily grown although seed germinates slowly. Keep damp, use a light mulch on top soil. Pkt. 10c, 1/4 oz. 50c.

## Euphorbia

Strong growing annual about 2 feet in height. The flowers are small. Grown particularly for its very ornamental foliage.

**VARIEGATA (SNOW ON THE MOUNTAIN)**—Leaves heavily margined white. Pkt. 10c, 1/4 oz. 25c, 1/2 oz. 40c, oz. 75c.

**HETEROPHYLLA (ANNUAL POINSETTIA or MEXICAN FIRE PLANT)**—Bushy plant growing to a height of 3 feet. In mid-summer center of leaves turn scarlet giving the general effect of the poinsettia. Pkt. 10c, 1/4 oz. 30c, 1/2 oz. 50c, oz. 90c.

## Evening Scented Stocks (Mathiola)

A delightful free-flowering annual, 6 to 8 inches in height. Flowers are purple and are noted for their fragrance emitted during the evening. Plant during fall and winter months. Pkt. 10c.

## Forget-Me-Not

(*Myosotis*) Small blue star-like flowers in clusters. Plant in the early spring months and transplant to a cool, damp location. Annual. Height 1 foot. Pkt. 10c, 1/4 oz. 25c, 1/4 oz. 40c.

## Four O'Clock

(*Marvel of Peru*) Symmetrical bushes growing to a height of 2 feet and bearing red, yellow or white flowers. Plant during the early spring months. All colors mixed: Pkt. 10c, oz. 25c.

## Godetia

Very lovely annual plants specially suited for semi-shady locations. The flowers are bright and colorful somewhat resembling the Azalea in form. Stems are long, making them valuable for cut flowers.

**TALL DOUBLE MIXED**—Many colors including crimson, salmon, pink and white. Pkt. 10c, 1/4 oz. 20c, oz. 60c.



Gaillardia, The Dazzler

## Gaillardia

Effective and valuable summer flowering plants for bedding, borders and for cutting. Sow seed from early fall on through the spring months for a succession of blooms throughout the spring and summer months. Annual. Height 1 1/2 feet.

**SINGLE AND DOUBLE MIXED**—Very large flowers in splendid combinations of crimson, red, yellow and gold. Pkt. 10c, 1/4 oz. 25c, oz. 75c.

**THE DAZZLER**—A vivid orange red with outer edge of petals a golden yellow. Very large. Pkt. 15c, 1/4 oz. 50c, oz. \$1.50.

**INDIAN CHIEF**—Large flowered and single. Metallic bronzy red with mahogany-brown center. Pkt. 10c, 1/4 oz. 25c, oz. 75c.

## Gypsophila

(*Baby Breath*) The light feathery sprays of tiny flowers are very popular for mixing with other flowers. Sow seed during the fall months where they are to remain. Height about 18 inches.

**ELEGANS GRANDIFLORA**—Pure white. Pkt. 10c, oz. 25c.

**ELEGANS CARMINE**—A beautiful deep carmine in color. Pkt. 10c, oz. 35c.

## Hollyhocks

Indispensable wherever height and color are required in the garden. The giant stalks with closely placed double, semi-double or single flowers rise to a height of 6 to 7 feet. Seed sown in the fall will bloom throughout the following season.

**LIEFGREEN'S DOUBLE HOLLYHOCKS**—Crimson, Newport Pink, Yellow, White. Ea. color: Pkt. 15c, 1/4 oz. 75c. **DOUBLE FLOWERED MIXED**—Selected seed from the most choice double flowers in all colors. Mixed: Pkt. 10c, 1/4 oz. 50c.

**HOLLYHOCK INDIAN CHIEF**—Silver medal All-America Selection, 1939. Semi-double flowers of bright rose and rosy carmine. Pkt. 15c, 1/4 oz. 70c, 1/4 oz. \$1.25.



Hollyhock, Indian Spring



Delphinium, Gold Medal

## Delphinium

(*Perennial Larkspur*) Tall spikes heavily flowered. Sow seed during the early fall months in the open where they will receive high shade during the flowering period. Height 3 feet.

**BELLAMOSUM**—A deep royal blue. Pkt. 15c, 1/4 oz. 60c, 1/4 oz. \$1.00.

**GOLD MEDAL HYBRIDS**—A mixture of lovely blues, lavender and mauve shades. Pkt. 15c, 1/4 oz. 35c, 1/4 oz. 60c, 1/2 oz. \$1.00.



# Seeds from Quality Selected and Tested Stock

## Gerbera

**JAMESONII HYBRIDS**—Large daisy-like blossoms with flower stems rising to a height of about 2 feet. Is also called Transvaal Daisy. Colors range from white to crimson, pink, yellow and lilac shades. Start carefully under a light mulch in a sandy, well-drained soil. **Pkt. 25c.**

## Geranium

Geraniums will bloom the first year from seed if planted early in the fall. Our mixture contains numerous shades of color, including many of the newest sorts. **Pkt. 15c.**

## Geum

Plant seed in the spring for a long blooming period during the summer months. Flowers in small clusters on long strong stems. Perennial.

**MRS. BRADSHAW**—Double, Bright red. **Pkt. 15c.**

**MIXED VARIETIES**—Orange, red and yellow shades. **Pkt. 15c.**

## Heliotrope

Small flowers but very fragrant. Forms a large plant 4 to 8 feet high and requires a roomy situation. Plant during the early spring months. **DARK BLUE**—**Pkt. 15c, 1/8 oz. 50c, 1/4 oz. 85c.**

## Hunnemannia

(Mexican or Giant Yellow Tulip Poppy) Height 2 feet. Bushy perennial, having a long blooming period. Similar to the California Poppy but of a lighter canary yellow. Nice for cutting.

**SUNLITE**—Gorgeous semi-double. Clear bright yellow. **Pkt. 15c, 1/4 oz. 50c, 1/2 oz. 85c.**

**GIANT SINGLE**—Magnificent golden yellow flowers with orange anthers. **Pkt. 10c, 1/4 oz. 25c, 1/2 oz. 40c.**

## Ice Plant

(Mesembryanthemum Crystallinum) This variety is grown for its glistening foliage. Leaves large, fleshy and covered with glistening dots. Height 8 inches. Plant fall and spring. **Pkt. 10c, 1/4 oz. 25c, oz. 75c.**

## Kochia

**CHILDISI (Summer Cypress)**—A highly ornamental annual plant having a cypress-like appearance. A bright green until autumn when it turns to a bright red from which it gets two other names, "Mexican Fire Plant" and "Burning Bush". Plant during the spring months. **Pkt. 10c, oz. 30c.**

## Larkspur

Few annuals in our gardens equal the Larkspurs in usefulness and charm. The double stock flowered strains are heavily branched, grow to a height of 3 feet or more and produce a continuous succession of blooms over a long period during the spring months. Sow seed in the open during the fall months.

**LIEFGREEN'S GIANT DOUBLE STOCK FLOWERED**—Light Blue, Dark Blue, Rose, Lilac, White, Lustrous Carmine. Each color: **Pkt. 10c, 1/4 oz. 25c, oz. 75c.**

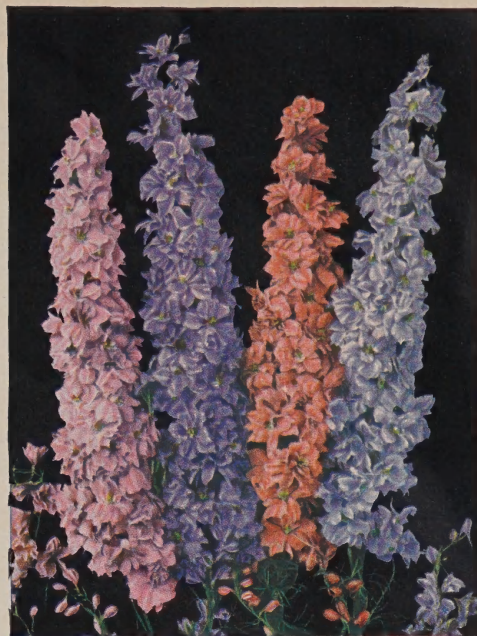
**MIXED**—All the above colors in a grand mixture. **Pkt. 10c, 1/4 oz. 25c oz. 75c.**

**LIEFGREEN'S GIANT IMPERIAL LARKSPURS**—A superior strain, upright in habit, branching from the base. Very double.

**SUPERB MIXED**—All colors. **Pkt. 15c, 1/4 oz. 30c, 6 oz. 50c, oz. 90c.**

## Lobelia

**CRYSTAL PALACE**—Plants very compact profusely covered with rich blue flowers. Height 4 inches. Excellent border plant. Sow seed during the fall months. **Pkt. 10c, 1/8 oz. 50c, 1/4 oz. 85c.**



Larkspur, Giant Imperial

## Linaria

(Baby Snapdragon) Pretty annuals—attractive in beds and as cut flowers. Plant through the fall and early spring months. Height 2 feet.

**MIXED**—Include blue, rose, lavender, yellow, etc. **Pkt. 10c, oz. 50c.**



Russell Lupins

## Lupin

Exceedingly attractive annual and easily grown. The handsome spikes covered with a profusion of blooms grow to a height of 2 to 3 ft. Plant during the fall, winter and spring months. Thin to about 12 inches apart. Semi-shade.

**HARTWEGI**—Dark blue, Roseous Pink and Mixed colors. Each: **Pkt. 10c, oz. 30c.**

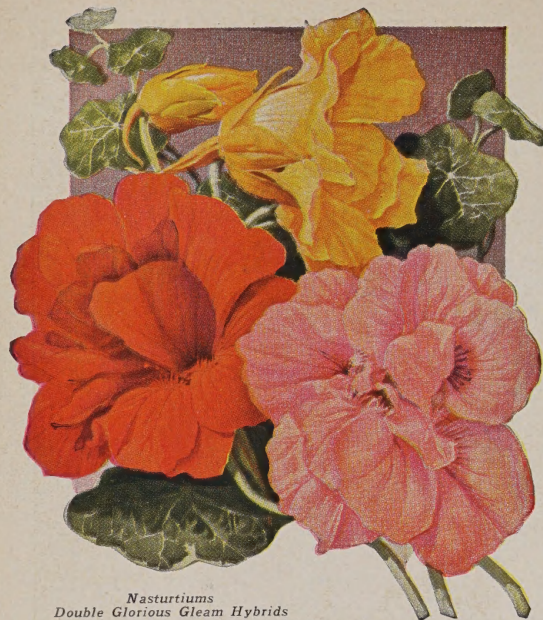
**RUSSELL'S PRIZE MIXTURE**—The finest and most beautiful strain of Lupins grown. Superb range of colors. **Pkt. 20c, 1/8 oz. 50c.**



Dianthus



# LIEFGREEN'S Summer Varieties Are Leaders



Nasturtiums  
Double Glorious Glean Hybrids

## NASTURTIUMS

Plant in February and March for spring flowers and early in the fall in protected places for fall blooming. Nasturtiums prefer dry, rather rocky soils such as we usually call "poor" soil and bear their flowers in such locations in greater profusion than in a rich soil, where they run too much to foliage.

### New Semi-Double Sweet Scented Nasturtiums

**SCARLET GLEAM**—Bright red extra large flowers. Bush type which throw out runners averaging 12 to 18 inches.  
**GOLDEN GLEAM**—Like Scarlet Glean but of an attractive bright golden yellow color.

**GLORIOUS GLEAM HYBRIDS**—Same habit and growth as Golden Glean and Scarlet Glean. A glorious assortment of brilliant shades.

**DWARF DOUBLE GEM MIXTURE**—Ideal annual for borders and edging use. The plants are truly dwarf and compact. The flowers are of good size, sweetscented and semi-double. Colors include all shades and many spotted varieties.

Each Variety: Pkt. 10c, oz. 25c, 1/4 lb. 60c.

**INDIAN CHIEF (New Semi-double Glean)**—Indian Chief has dark foliage contrasting its bright scarlet flowers. Bush type with runners averaging 12 to 18 inches. Pkt. 15c, oz. 75c.

## Single Nasturtiums

**LIEFGREEN'S SPECIAL TALL SINGLE MIXED**—All single flowers, unusually large. Mixture contains many new colors and varieties as well as the old-fashioned ones.

**LIEFGREEN'S SPECIAL DWARF SINGLE MIXED**—Compact plants entirely without runners in the Tall sort.

Each: Pkt. 10c, oz. 15c, 1/4 lb. 40c, lb. \$1.25.



Marigold, Harmony

## MARIGOLDS . . .

### For Summer Blooms

The African and French Marigolds supply a profusion of gorgeous blooms throughout the summer and fall months. Sow seed during early spring and summer months in a sunny exposure, preferably in light soil. Cover seed about 1/4 inch deep and when up thin to 10 or 12 inches apart.

### African Marigolds

Produce their large flowers on long tall stems standing erect on the plant which attains a height of 18 inches to 2 1/2 feet. Make splendid cut flowers.



Marigold, Pot O'Gold

**TALL AFRICAN DOUBLE ORANGE**—Very large golden orange flowers.  
**TALL AFRICAN DOUBLE LEMON**—Very large bright clear yellow flowers. Each color: Pkt. 10c, 1/4 oz. 40c, oz. \$1.25.

**TALL AFRICAN DOUBLE MIXED**—The above colors mixed. Pkt. 10c, 1/4 oz. 25c, oz. 75c.

**GUINEA GOLD**—The flowers of this exquisite Marigold are loosely ruffled, semi-double and of medium size. The color is a brilliant golden orange. Pkt. 10c, 1/4 oz. 25c, oz. 75c.

**GIGANTEA SUNSET GIANTS MIXED**—Flowers are loosely formed with the heavy petals gracefully overlapping. Gigantic in size with a color range of deep orange through all shades of yellow. Very tall. Pkt. 15c, 1/4 oz. 40c.

**MARIGOLD, GOLDSMITH**—(All-America Silver Medal, 1941). Giant chrysanthemum-flowered golden orange, base branching and with good stems for cutting. Full double flowers on strong bushy plants of from 2 to 4 feet in uniform height. Early and free-blooming. Pkt. 25c.

**GIGANTEA POT OF GOLD, DWARF**—10 to 12 inches. Early flowering, producing a mass of intense dazzling golden orange flowers, of immense size. Pkt. 20c, 1/4 oz. 40c, 1/4 oz. 75c.

### French Marigolds

The French Marigolds are used principally for beds and borders. The individual plants are spreading in habit and are covered continuously with a mass of gorgeous blooms throughout the summer and fall months. Height 12 to 14 in.

**DWARF DOUBLE HARMONY HYBRIDS**—Flowers medium size with a color range of golden orange, golden yellow, innumerable blotched and striped combinations of golden orange and yellow and maroon contrasting, all with crested centers. Blooms within 75 days. Pkt. 20c, 1/4 oz. 40c, 1/4 oz. 75c.

**DWARF HARMONY**—Exquisite blooms with cushion-like centers of fluted, deeply cut golden orange centers surrounded by several rows of reddish brown outer petals. Pkt. 10c, 1/4 oz. 35c, oz. \$1.00.

**DWARF DOUBLE FRENCH MIXED**—Many combinations in golden orange, lemon yellow, maroon and mahogany. Pkt. 10c, 1/4 oz. 20c, oz. 50c.

**MARIGOLD, SPY**—(All-America Silver Medal, 1941). Extra dwarf, double French type; compact and uniform, so may be used for edging. About 9 inches tall, early blooming, with very light orange crested center and maroon outer petals. Profuse flowering. Pkt. 25c.

## Linum

**(Scarlet Flax)** A hardy annual of slender and graceful appearance with fine foliage and bright red flowers. It makes beautiful beds and borders and is largely used for mass display. Plant in the early fall; also early spring. Height 1 1/2 to 3 feet. Pkt. 10c, oz. 40c, 1/4 lb. \$1.00.

**PERENNE (BLUE FLAX)**—Like Scarlet Flax but producing a profusion of deep blue flowers. Pkt. 10c, oz. 50c.

## Lantana

Perennial—Grows only 2 to 3 feet high but bears a profusion of verbena-like flowers in a wide range of gorgeous colors. Is cut back by frost but renews its runners each year, becoming more luxuriant each year. Plant through spring and early summer months.

Mixed Colors—Pkt. 10c, oz. 50c.

## Mignonette

A hardy annual growing from 6 to 12 inches high. Can be grown in shady places. Plant during the fall, winter and spring months.

GIANT MACHET, Mixed—Pkt. 10c, oz. 30c.



Marigold, Goldsmith



# LIEFGREEN'S Flower Seeds Insure Success

## Nicotiana

(Flowering Tobacco) A hardy annual growing 3 to 4 feet high and of branching habit. The plants are covered with slender tubular flowers all summer. They may be used as a background or as single specimens. Popular for its evening fragrance.

**SANDERAE MIXED**—A new, large, flowering type with various bright colored blossoms. Pkt. 10c, 1/4 oz. 30c.

## Nemophila

(Baby Blue Eyes) Nice for carpet bedding, growing about 6 inches high. Blossoms cup-shaped.

**INSIGNIA BLUE**—Pkt. 10c, oz. 30c.

## Nigella

Hardy annual 1 foot high, oddly shaped blossoms, elegant foliage. Sow during fall and winter months.

**MISS JEKYLL**—A long-stemmed sort with beautiful cornflower-blue blossoms. Pkt. 10c, 1/2 oz. 25c, oz. 40c.

## Nierembergia

(Hippomanica) Plants form a dense mat, 6 in. high, 1 ft. or more across, and are thickly covered with beautiful lavender blue cup-shaped flowers. Plant during the fall and winter months. Highly recommended. Pkt. 25c.

## Nemesia

A very pretty and effective annual 1 ft. high, used for beds and borders and edging. The flowers resemble a miniature snapdragon and have a color range of rose, yellow, orange, blue, etc.

**MIXED COLORS**—Pkt. 15c, 1/8 oz. 50c.

## PANSIES

PANSIES are so well known they need no description. For successful germination and lovely blooms, prepare the soil carefully. Plant seed during the fall months in a semi-shady location, in well moistened, finely pulverized soil, enriched with a slight amount of barnyard fertilizer or bone meal. Cover seed lightly and firm soil. Keep beds moist but not soaking wet until plants are up. Transplant to 8 to 12 inches apart. Water young plants very sparingly to avoid damping off, but do not allow soil to dry out at any time. Annual.

### Exhibition Strain

**SANTA ANITA GIANT SWISS PANSIES**—The original Santa Anita Giant Swiss Pansies that astonish and delight every visitor at this famous track every season. Immense flowers, long stems and brilliant colors. Large pkt. \$1.00, half size pkt. 50c, 1/16 oz. \$1.50, 1/8 oz. \$2.75, 1/4 oz. \$5.

### Giant Mastodon Strains

**STEELE'S SUPER SWISS JUMBO MIXED**—This is the original strain from Steele's Pansy Gardens and are the largest and most beautiful pansies grown. Many colors and color combinations. Stems very long and strong, standing well above the foliage. Pkt. 50c, large pkt. \$1.00, 1/16 oz. \$1.50, 1/8 oz. \$2.75, 1/4 oz. \$5.00.

### Liefgreen's Special Large Flowered Swiss Giants

**SWISS GIANT MIXED**—Large size flowers of excellent uniform quality on long, strong stems. All colors and color combinations represented. Many frilled and sweet-scented. Pkt. 25c, 1/16 oz. \$1.00, 1/8 oz. \$1.75, 1/4 oz. \$3.00.

### Special Bedding Mixture

**LIEFGREEN'S GOOD MIXED PANSY**—Medium size blooms, extremely free flowering. Especially desirable for larger beds and borders where a mass of color rather than size of the individual bloom is wanted. A full range of color. Pkt. 15c, 1/4 oz. 50c.



*Pansy, Super Swiss Jumbo Mixed*

## POPPIES

Probably no flower enjoys a greater popularity than the Poppy. They may be had in many varieties, heights, and brilliant or delicate colors. Seed should be sown in the open during the fall months in a location where the plants are to flower, as they do not transplant easily. Annual.

**ICELAND POPPY**—Bright green foliage formed in tufts from which issue slender stalks about 15 inches high, bearing a profusion of brilliant flowers. Pkt. 10c, 1/2 oz. 60c.

**ICELAND (Sandford's Giants)**—Undoubtedly one of the best Iceland Poppies. The flowers are immense and borne on long, stiff stems making them excellent for cutting. A beautiful range of colors. Pkt. 20c.

**SHIRLEY POPPY, SINGLE MIXED**—Improved large flowering strain of many delicate shades. Pkt. 10c, 1/2 oz. 25c, oz. 40c.

**SHIRLEY POPPY, DOUBLE MIXED**—Beautiful begonia-like flowers. All colors. Height about 18 inches. Pkt. 10c, 1/4 oz. 35c, oz. \$1.00.

**SHIRLEY POPPY, WHITE**—Pure white, sheer and very lovely. Pkt. 10c, 1/2 oz. 40c, oz. 75c.

**PEONY FLOWERED POPPY**—Large and very double, resembling a peony of delicate texture. **COLORS**—Shrimp pink, Pansy violet and Cardinal red. Each color: Pkt. 10c, oz. 50c.

**PEONY FLOWERED POPPY, MIXED**—All colors. Pkt. 10c, 1/2 oz. 25c, oz. 40c.

**GLAUCUM (TULIP FLOWERED)**—Flowers vivid scarlet on tall strong stems. Pkt. 10c, 1/2 oz. 60c, oz. \$1.00.

**ARIZONA POPPY, RAINBOW GROUP**—A mixture of many varieties and brilliant shades including the desert types. Pkt. 10c, oz. 50c.

## California Poppies

**CALIFORNIA POPPY — IMPROVED ORANGE**—Very deep golden orange; large cup-shaped flowers. Height about 1 foot.

Pkt. 10c, oz. 35c.

**CALIFORNIA POPPY — BRILLIANT MIXED**—A mixture of orange, yellow, pink and white. Makes a beautiful display.

Pkt. 10c, oz. 50c.



*California Poppy*



*Nierembergia Hippomanica*

# Beautiful Bouquets from the Home Garden



*Petunia, Radiance*



*Petunia, Betsy Ross*



*Petunia, Giants of California*

## PETUNIAS

PETUNIAS cannot be equaled for beds and borders. They flower throughout the year even through the hot summer months. Start planting in September and continue through the spring months. Scatter seed thinly on an even well prepared soil and cover lightly with fine silt or sand, pressing firmly with a board so that seed adheres to the soil. A light mulch of barnyard fertilizer or peat moss is beneficial. Thin plants to 8 to 12 inches. Do not over water. Petunias grow from 1 to 1½ feet high, except miniature sorts and the dwarf single bedding types, which attain 8 inches or less.

### Petunia Hybrida—Spreading Type

**PETUNIA, RADIANCE**—(Silver Medal, All-America Selections, 1941). A very brilliant and rich rose or cerise color with brown veined yellowish throat. Begins blooming very early and profusely; of uniform height, branching nicely. An outstanding petunia. Pkt. 25c.

**HOLLYWOOD STAR**—Rich rose color with amber throat. Flowers star-shaped. Pkt. 15c, 1/16 oz. 50c, ¼ oz. 85c.

**VIOLACEA**—Deep velvety purple. Pkt. 15c, ⅓ oz. 40c, ¼ oz. 90c.

**HOWARD'S STAR**—Velvety purple with pure white star center. Pkt. 15c, ⅓ oz. 40c, ¼ oz. 85c.

**TOPAZ ROSE**—Fiery rose suffused gold; topaz color throat. Pkt. 20c, 1/16 oz. 50c, ⅓ oz. 85c.

**WHITE KING**—Very large pure white flowers. Pkt. 15c, ⅓ oz. 35c, ¼ oz. 60c.

**GEN. DODDS**—A rich blood red. Flowers are large and free blooming. Pkt. 15c, ⅓ oz. 35c, ¼ oz. 60c.

**BLACK PRINCE**—Balcony type. Deep velvety red. Pkt. 20c, 1/16 oz. \$1.00, ⅓ oz. \$1.75.

**HYBRIDA MIXED**—Very choice mixture of many lovely colors, including the striped and blotched. Pkt. 10c, ⅓ oz. 25c, ¼ oz. 45c, oz. \$1.25.

### Petunia—Miniature or Gem

**BRILLIANT ROSE GEM**—Rich deep rose. Compact plant. Height 6 to 8 inches. Pkt. 15c, 1/16 oz. 45c, ¼ oz. 75c.

**PINK GEM**—Bright clear pink. Compact. Height 6 to 8 inches.

Each: Pkt. 15c, 1/16 oz. 45c, ¼ oz. 75c.

### Petunia Nana Compacta—Dwarf Compact Bedding

**SALMON SUPREME**—Soft pastel salmon. Pkt. 25c, 5 pkts. \$1.00.

**ROSY MORN IMPROVED**—Soft rose, white throat. Pkt. 15c, ⅓ oz. 50c, ¼ oz. 85c.

**ROSE OF HEAVEN**—Rich, brilliant rose, a trifle deeper than Rosy Morn. Pkt. 15c, ⅓ oz. 60c, ¼ oz. \$1.00.

**BLUE BEDDER**—Finest bright mid-blue. Pkt. 15c, ⅓ oz. 60c, ¼ oz. \$1.00.

### Petunia Hybrida Grandiflora—Giant Flowered

**VELVET BALL**—Plant is ball-shaped and compact. Height 8 inches. Flowers very large and a velvety blood red. Pkt. 25c, 5 pkts. \$1.00.

**BURGUNDY**—Rich wine red, contrasting white throat. Compact and dwarf. Very large flowers. Pkt. 25c, 5 pkts. \$1.00.

### Petunia—Ruffled Dwarf Types

**BETSY ROSS**—Red and white ruffled flowers. Golden and deep red throat. Compact and very free flowering. Pkt. 25c, 5 pkts. \$1.00.

**MARTHA WASHINGTON**—Blush pink deepening to dark violet throat. Ruffled flowers, dwarf compact plant. Pkt. 25c, 5 pkts. \$1.00.

### Petunias—New and Popular Varieties

**BLUE BROCADE, VICTORIOUS ALL-DOUBLE**—(Silver Medal, All-America selections, 1941). This is a fine true violet-blue colored, giant fringed all-double Petunia. The habit of the plant is dwarf and very uniform, making it valuable for bedding or cut flowers. Pkt. 50c.

**FIRST LADY**—(Silver Medal, All-America Selections, 1941). Exceptionally uniform dwarf Petunia. Large 2½-inch flowers of beautiful light or blush pink in profusion all season. Unique color, distinct and pleasingly desirable. Uniform, compact, 12-inch plants. Pkt. 35c.

**PETUNIA, GIANTS OF CALIFORNIA**—Fringed and ruffled. Light and dark colors with attractive deep throats, many beautifully veined. Mixed colors only. Pkt. 25c, 5 pkts. \$1.00.



*Phlox, Rosy Morn*

### Phlox Drummondii

Large verbenalike flower growing in clusters on long strong stems. Compact plant. Fine for bedding, borders and cut flowers. Plant in the open in the fall and winter months for a gorgeous display of blooms during the spring months.

**CRIMSON, WHITE, VIOLET, FLESH PINK, MIXED.** Each: Pkt. 10c, ¼ oz. 60c, oz. \$1.75.

**GIGANTEA ART SHADES, MIXED**—Individual flowers immensely large. Color tones beautiful and unusual. Height 12 to 16 inches.

**Mixed Colors**—Pkt. 15c, ⅓ oz. 75c, ¼ oz. \$1.25.

**PHLOX, ROSY MORN**—Giant single, annual phlox of brilliant rose with a white eye. Extra large flowered, pleasing color combination and an early, free bloomer. True and uniform. Twelve inches tall. Pkt. 25c.

**SALMON GLORY**—Gigantic single florets in very large clusters. An outstanding novelty, pure salmon in color with a distinct creamy white eye. Pkt. 20c, 3 pkts. 50c.



*Vinca, Periwinkle*  
(Listed page 12)



# Plant Liefgreen's Tried and Tested Seeds

## Portulaca

(Moss Rose) A very showy low growing bedding plant about 6 inches high with fine foliage. A profusion of cup-shaped flowers in brilliant colors of red, orange, yellow, rose, pink and white. Plant during the spring months in a sunny location.

**DOUBLE FINEST MIXED**—Flowers perfectly double. Pkt. 15c, 1/8 oz. 75c.  
**SINGLE MIXED**—Resembles a small wild rose. Pkt. 10c, 1/4 oz. 45c.

## Pyrethrum

**ROSEUM**—Large Marquette-like flowers with fine fern-like foliage. Graceful and long lasting cut flowers. Height 2 ft. Plant during the fall and winter months.

**SINGLE MIXED**—Pkt. 10c, 1/8 oz. 40c.

## Ranunculus

Full rose-like blooms on strong stems 1 ft. high. Grown from seed or bulbs. Flowers double, semi-double and single in shades of red, orange, gold, pink and white. Plant during the fall months in well drained soil and a sunny location.

**MIXED COLORS**—Pkt. 10c, 1/4 oz. 40c, 1/2 oz. 70c.

## Salpiglossis

Very showy bedding or border plants, with richly colored, funnel-shaped flowers, which are purple, scarlet crimson, yellow, buff, blue and almost black. Height 2 1/2 feet.

**SUPERBISSIMA MIXED**—Containing many lovely color combinations. Pkt. 10c, 1/4 oz. 35c.

## Salvia

(SCARLET SAGE) The most brilliant colored flowers and extremely useful for bedding. Blooms are of fiery red crimson color, continuing to flower for a long time. Tender perennials. Plant in early spring. Pkt. 10c, 1/8 oz. 50c.

## Scabiosa

(Mourning Bride or Pincushion Flower) Annual resembling a round pincushion. The flowers grow on long wiry stems, 2 1/2 ft. high. They bloom profusely and are a lovely addition to the garden or in bouquets.

**AZURE FAIRY BLUE, WHITE, CRIMSON, ROSE PINK.**

Each color: Pkt. 10c, 1/4 oz. 30c.

**GRANDIFLORA MIXED**—All colors mixed. Pkt. 10c, 1/4 oz. 25c.

## Schizanthus

Unique irregular shaped notched and blotched flowers resembling the orchid. Colors are many and varied. Plant in the open during the fall months. Height about 1 ft. Annual. Pkt. 10c, 1/4 oz. 40c, 1/2 oz. 70c.



*Tithonia Fireball*



*Salpiglossis*

## Sweet William

(*Dianthus Barbatas*) Vigorous free-flowering perennial. Individual florets grow in flat clusters on long stems. Plant large and compact. Colors are crimson, scarlet, pink and white with variations. Plant during the fall months. Height 1 to 1 1/2 ft.

**DOUBLE MIXED**—Pkt. 10c, 1/4 oz. 35c.

**SINGLE MIXED**—Pkt. 10c, 1/4 oz. 25c.

## Sunflower (Helianthus)

**DWARF RED SUNFLOWER**—The plant is of a freely-branching habit with well-shaped dark-centered flowers of bright chestnut red, merging to a yellow at the tips of the petals. Height 6 feet. Pkt. 10c, oz. 40c.

**MAMMOTH RUSSIAN**—Is planted largely for seed. It also makes a good windbreak and a very ornamental background. Requires little attention. Pkt. 10c, lb. 25c.

## Tithonia Speciosa

### Tithonia Speciosa

(Mexican Sunflower)

**BRIGHT ORANGE**—Immensely tall plants with large bright flowers resembling a large double sunflower. Center yellow crested. Plant during the spring months for late summer and fall blooming. Best planted along a fence or building as they grow 6 to 8 feet tall. Pkt. 10c, 1/4 oz. 50c, oz. \$1.50.

**FIREBALL (Speciosa Grandiflora)**—This new Tithonia is the same in growth and habit as the Bright Orange except the color is a fiery orange red and blooms somewhat later than the Orange. Pkt. 25c, 5 pkts. \$1.00, 1/8 oz. 60c.



*Giant Scabiosa*



# Liefgreen's Quality Seeds Assure Successful Gardens



*Giant Double Imperial Stocks*

## Stocks

**GIANT DOUBLE IMPERIAL**—This wonderful new strain of Stocks is branching in habit, very double florets in great profusion on long, strong stems. Sow seed in the fall in the open ground. Thin to 12 inches and remember the most delicate plants are usually the ones that produce the best double flowers. Annual. Height 18 in. to 2 ft.

<b>BLOOD RED</b>	<b>LAVENDER</b>	<b>GOLDEN ROSE</b>
<b>CHAMOIS (Ivory)</b>	<b>ROSE PINK</b>	<b>YELLOW</b>
<b>DARK BLUE</b>	<b>WHITE</b>	

Each Color: Pkt. 15c,  $\frac{1}{8}$  oz. 75c,  $\frac{1}{4}$  oz. \$1.25.

**GIANT IMPERIAL MIXED**—All colors mixed. Pkt. 10c,  $\frac{1}{8}$  oz. 50c,  $\frac{1}{4}$  oz. \$1.00.

## Virginian Stocks

Very attractive hardy annual, producing innumerable bright colored tiny flowers on thin stems and largely grown for beds and borders. Height 6 to 12 inches. Colors: Crimson, Lavender, Rose, Yellow, and White.

**MIXED ONLY**—Pkt. 10c,  $\frac{1}{2}$  oz. 20c, oz. 30c.

## Wallflower

The velvety single flowers grow in loose clusters on long stems covered with long narrow leaves. The colors are in rich mellow tones of bronze, copper and golden buff. Plants are vigorous and grow to a height of 1 to  $1\frac{1}{2}$  ft. Plant during the fall months. Thin to 1 ft.

**MIXED COLORS**—Pkt. 10c,  $\frac{1}{4}$  oz. 20c,  $\frac{1}{2}$  oz. 35c.

## Viola

Violas are very much like pansies, though the individual blooms are smaller. They are excellent for bedding, massing or borders as they bloom in great profusion over a long period. Thrive best in a light rich soil in a semi-shady location. Plant during the fall months. Height 6 inches.

**MIXED COLORS**—Pkt. 15c.

## Arizona Wild Flower Mixture

A fine mixture of many species. They may be planted from early fall to early spring, a longer blooming period resulting from the fall planting. Annuals. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 90c, 1 lb. \$3.00.

## Venidium

Flowers grow to 4 or 5 inches in diameter on tall stems standing well above the gray-green foliage. Daisy-like with overlapping petals. Center blue-black with a lighter shade ray. Plant in full sun during the fall and winter months. Height 2 feet.

**VENIDIUM FASTUOSUM**—Orange yellow. Very large and bright.

**VENIDIUM HYBRIDS**—Mixed shades of apricot, white, salmon, yellow and orange.

Orange or Mixed: Pkt. 15c,  $\frac{1}{8}$  oz. 75c.

## Vinca Rosea

(Periwinkle) Ornamental bush-like plants with dark glossy foliage and handsome free-flowering blossoms in pink and white, like the floret of a very large single phlox. Plant seed in the early spring. Perennial. 16 to 18 inches tall.

**MIXED COLORS**—Pkt. 10c,  $\frac{1}{4}$  oz. 40c.

## Liefgreen's Beautiful Verbenas

Verbenas grow low on the ground but have a spread of from 12 to 18 inches. The lovely individual florets grow in large clusters and the flowers may be used for cutting, or for very colorful beds and borders. Plant in the open during the fall, winter and spring months as they bloom practically all year round in Arizona. Allow plenty of space between plants. Plant seed shallow in a finely made rich soil and keep moist but not wet until plants are up.

**GIANT HYBRID VERBENAS** — Spectrum Red, Salmon Pink, Viollacea Purple, and White. Each color: Pkt. 15c,  $\frac{1}{8}$  oz. 50c,  $\frac{1}{4}$  oz. 85c.

**MIXED GIANT HYBRIDS**—All colors, many with white eyes. Pkt. 10c,  $\frac{1}{8}$  oz. 35c,  $\frac{1}{4}$  oz. 65c.

**MAMMOTH VERBENAS**—Lucifer Scarlet, Luminosa Pink, Deep Purple, White, and Golden Yellow. Each color: Pkt. 10c,  $\frac{1}{4}$  oz. 50c, oz. \$1.50.

**MAMMOTH VERBENAS MIXED**—All the most choice colors. Pkt. 10c,  $\frac{1}{4}$  oz. 40c, oz. \$1.25.

## VERBENA . . . Hybrida Grandiflora "SPITFIRE"

This new splendid VERBENA personifies the SPITFIRE in action—radiating its defiance in deep scarlet-rose colors, that are carried on mammoth  $3\frac{1}{2}$ -inch flowers. The plants have a vigorous habit of growth, measuring 25 to 30 inches in diameter, with each stem of florets standing semi-erect.

This VERBENA will attract the florist as well as the home gardener, as each plant bears 10 to 12 stems that are 15 inches long, making it highly desirable as a cut flower. "SPITFIRE" is a strong scarlet-rose self, that shows only a trace of an eye in the center of each floret. It is 100 per cent true to type, and is perhaps the liveliest color of the Grandiflora type. Price per pkt. 25c.



*Verbena Spitfire*

# LIEFGREEN'S GIANT SPENCER SWEET PEAS

## Liefgreen's Giant Early Flowering Spencer Sweet Peas

Plant the Early Flowering type sweet peas in the early fall and winter months for early winter and early spring blooming. Again early in the spring months for later spring blooming. This type sweet pea blooms from four to six weeks earlier than the Spring Flowering Spencers. The plant starts climbing immediately after germination. We offer the very latest and finest types adaptable to Arizona climate.

**AMETHYST**—Royal purple.

**BALL'S ROSE IMPROVED**—Rich, deep rose pink.

**CREAM**—Rich soft deep cream.

**COLUMBIA**—Bicolor. Salmon rose, white wings.

**EXPOSITION PINK**—Gorgeous rich pink.

**HOPE**—Pure glistening white.

**LAVANDA**—Pure clear lavender.

**MARINER**—Clear marine blue.

**MARS**—Bright crimson red.

**MEMORY**—Rosy lavender.

**PRIDE**—Cerule, long stems.

**OTHELLO**—Maroon.

**SEQUOIA**—Golden cerise.

**SHIRLEY TEMPLE**—Very large, frilled, soft rose pink.

**SKIPPY**—Light salmon pink.

**TRIUMPH**—Lilac mauve.

**VALENCIA**—Sunproof orange.

Each:

Pkt. 15c, 1/2 oz. 35c, oz. 60c, 1/4 lb. \$1.75

## Liefgreen's Giant Spring Flowering Spencers

Plant in a sunny location for blooming during the spring months. Will bloom from four to six weeks later than the Early Spencers. Planted during the early fall and winter months, they make a growth of only about 6 to 8 inches with numerous tendrils at the base which rapidly climb during the warm early spring months. Our selection of this type is the latest and finest varieties grown:

**BLANCHE FERRY**—Bicolor. Bright red and white.

**CHEFTAIN**—Satinny lilac mauve.

**CHINESE BLUE**—Rich deep blue.

**CREAM GIGANTIC**—Largest deep soft cream.

**DAMASK ROSE**—Deep rose.

**JACK HOBBS**—Flushed scarlet pink on cream ground.

**JUMBO**—Deep cerise.

**KING LAVENDER**—Clear pure lavender.

**OLYMPIA**—Rich purple.

**PINKIE**—Clear bright pink.

**PIRATE OF GOLD**—Golden orange

**RED SUPREME**—Deep crimson.

Very bright.

**SMILES**—Salmon shrimp pink.

**WARRIOR**—Maroon.

**WHITE GIGANTIC**—Large pure white.

**YOUTH**—Large white, pink picotee edge.

Each: Pkt. 10c, 1/2 oz. 20c, oz. 35c, 1/4 lb. \$1.25.

## Cupid Spencer Sweet Peas

Sweet peas in bush form. Lovely large blooms of true Spencer type, borne profusely on small trailing plants growing not more than 9 inches tall. Grand for borders and massing. Light shades, bright pink predominating. Pkt. 15c, 1/2 oz. 25c, oz. 40c, 1/4 lb. \$1.25.



**SWEET PEAS** are so well known they need no description. We offer only the Giant Flowering Spencer strain in both the Early Flowering and the Spring Flowering types.

**CULTURE:** Sow seed in a location that receives morning and early afternoon sun. Seed may be planted from early fall to early spring. Dig a trench about a foot wide and deep and fill in with 6 inches of well-rotted manure. Mix a liberal amount of manure with the soil that has been removed and replace it. Flood bed thoroughly and allow to stand several days before planting seed. After the soil has settled sufficiently, open a trench in the bed about 6 inches deep and plant **ONE OUNCE** of seed to about 20 or 25 feet of row. During the warm weather cover seed about 2 or 3 inches deep and in cooler weather about 1 inch is sufficient. **CARE MUST BE TAKEN DURING WARM WEATHER NOT TO ROT THE SEED WITH TOO MUCH MOISTURE.** After planting seed soak the trench thoroughly and cover top with a light mulch of peat moss to prevent the surface soil from drying out and cracking. When the plants are up about 3 or 4 inches thin out to about 4 inches apart and begin drawing the earth to the plant to insure a deep root system. This makes a trench on each side of the plant along which the plant is watered. Provide a trellis or proper support as the vines attain great height. Frequent cultivation, water as needed after plants are up and occasional applications of Sweet Pea Food or a good all-purpose commercial fertilizer, will insure a profusion of lovely blooms. A long blooming season may be had by keeping the blossoms picked.

## Liefgreen's Sweet Pea Special Mixtures

**SPECIAL EARLY FLOWERING SPENCER MIXTURE**—Containing the very finest varieties. Pkt. 10c, 1/2 oz. 20c, oz. 35c, 1/4 lb. \$1.00, 1 lb. \$3.00.

**SPECIAL GIANT SPRING FLOWERING MIXTURE**—All the best varieties and many of the newest. Pkt. 10c, oz. 25c, 1/4 lb. 75c, 1 lb. \$2.25.

## SPECIAL SWEET PEA COLLECTIONS

8 15c pkts. \$1.00.

GIANT EARLY FLOWERING SPENCER SWEET PEAS

1 pkt. each of the following colors of named varieties listed above: Blue, Pink, White, Lavender, Salmon, Red, Orange, Cerise.

12 10c pkts. \$1.00.

GIANT SPRING FLOWERING SPENCER SWEET PEAS

1 pkt. each of the following colors of named varieties listed above: Blue, Pink, White, Lavender, Salmon, Red, Orange, Cerise, Purple, Cream, Picotee, Maroon.

## BANDINI SWEET PEA FOOD

Unexcelled for use at time of planting sweet pea seed and for feeding during the growing season. It not only contains just the correct portions of plant-food but also of Sulphur, Lime, Tobacco Meal, and Iron Oxide.

2 1/2 lbs. 30c, 5 lbs. 45c, 10 lbs. 85c, 25 lbs. \$1.55, 50 lbs. \$2.60, 100 lbs. \$4.25.

PAMPHLETS GIVING COMPLETE DIRECTIONS FOR USE FURNISHED UPON REQUEST

NOTE—Not prepaid; postage or transportation extra. Prices Listed Herein Subject to Change Without Notice.

## INOCULATE SWEET PEA SEED WITH LEGUME-AID

**LEGUME-AID** is a NITROGEN-fixing bacteria for inoculating legume seed, such as SWEET PEA SEED, LUPINS, etc. Legume-Aid increases the yield, improves the quality and enriches the soil. It comes in dust form in moisture-proof packages and no water is needed. One garden packet inoculates up to 5 pounds of Sweet Peas, Lupins, Beans or garden peas. Pkt. 10c, postpaid.





# Zinnias for Colorful Summer Flower Gardens



*Zinnia, Scabiosa Flowered*

## Zinnia, Scabiosa Flowered

The flowers are of medium size, composed of a row of broad ray or outer petals similar in form to the flowers of the annual Scabiosa. Height about 3 feet. Excellent cut flower. All the lovely bright shades.

**MIXED COLORS ONLY**—Pkt. 15c, 1/4 oz. 50c, oz. \$1.50.

## Zinnia, Giant Picotee

This Zinnia is novel and attractive for in addition to its being double and large flowered, each petal is distinctly tipped with a darker shade of the same color. Height 2 to 2 1/2 feet. Many lovely colors.

**MIXED ONLY**—Pkt. 15c, 1/4 oz. 50c.



*Zinnia, Giant Crested*

The Zinnia is possibly more at home in the warmer sections of Arizona than any other flower. It is sun-loving, very easy to grow and a favorite in thousands of Arizona gardens. We wish to stress the fact that our Zinnias are absolutely the best strains in existence. The Zinnia is strictly a hot weather plant and should not be planted until March. Plantings may be continued throughout the summer.

**CULTURE**—Plant after all danger of frost is over. The seed should be planted about one-half inch deep and the seed bed covered with a mulch of our horticultural peat moss or grass to conserve the top moisture. Plant in rich soil in rows at least three feet apart and thin out plants so they are about 12 inches apart. Never plant Zinnias in the shade as they delight in the full sun-shine. Keep the rows free and clean from Bermuda grass and weeds and cultivate and irrigate often. To avoid mildew dust the ground around the plants with dusting sulphur as soon as the buds appear. If you follow these instructions we know your efforts will be rewarded.

## Liefgreen's Arizona Giant or Mammoth Zinnias

This strain is, in some ways, a companion type to the Dahlia Flowered. The plants are, however taller than the Dahlia Flowered type, reaching a height of 3 to 4 feet. The flowers are very large and well formed, with smooth topped, graceful appearance, the petals lying flat upon each other. The colors are very bright and clear and altogether it is one of the showiest of the large-flowered Zinnias.

**GIANT LEMON QUEEN**—Clear bright yellow.  
**GIANT ORANGE QUEEN**—New orange shade, exceptionally bright.  
**ENCHANTRESS**—Light pink, rose center.  
**SCARLET QUEEN**—Glowing deep scarlet.  
**GIANT PURITY**—Large pure white.  
**GIANT**—Lavender gem.  
**GIANT PURPLE QUEEN**—Deep purple.  
 Each: Pkt. 10c, 1/4 oz. 35c, oz. \$1.25.  
**LIEFGREEN'S GIANT MAMMOTH MIXED**—Many beautiful colors.  
 Pkt. 10c, 1/4 oz. 30c, oz. \$1.00.

### SPECIAL COLLECTION

LIEFGREEN'S GIANT OR MAMMOTH ZINNIAS

One each of 7 varieties, value 70c, for 50c, postpaid

## ZINNIA . . . Giant Crested Mixed

A magnificent strain, similar in form to the Scabiosa-flowered type but with the vigor of growth and mammoth blooms of the dahlia-flowered strain. The blossoms average 4 to 5 inches in diameter. The colors include orange, scarlet, yellow, rose, etc. Pkt. 20c, 3 pkts 50c.

## LIEFGREEN'S NOVEL AND INTERESTING TYPES OF ZINNIAS

### Dwarf Types of Zinnias

**LIEFGREEN'S TOM THUMB ZINNIA**—The compact plants of this dainty strain are 6 to 8 inches high and are covered with well formed flowers of the Lilliput type. There is a complete range of Zinnia colors in this mixture. Excellent for borders or for mass planting.

**MIXED COLORS ONLY**—Pkt. 15c, 1/4 oz. 40c, oz. \$1.25.

**HAAGEANA DOUBLE (MEXICAN HYBRIDS)**—Dwarf, plant carrying prettily marked flowers. Nice for bedding and make a brilliant display. Mixture contains many attractive colors and color combinations.

**MIXED ONLY**—Pkt. 15c, 1/4 oz. 40c, oz. \$1.25.

**ZINNIA LINEARIS**—Dwarf single variety. Flowers are small and a lovely shade of golden orange with a delicate lemon yellow stripe through each petal. The flowers are produced in great profusion, literally covering the plant which sometimes has a spread of as much as 2 feet by the end of the season. Pkt. 15c, 1/8 oz. 40c, 1/4 oz. 75c.

### Special Offer, \$1.00

For \$1.50 Value  
 COLLECTION OF NOVELTY  
 ZINNIAS

FANTASY—Finest Mixed.  
 TOM THUMB—Mixed.  
 GIANT CRESTED—Mixed.  
 CROWN OF GOLD—Pastel.  
 SCABIOSA FLOWERED.  
 GIANT PICOTEE—Mixed.  
 GAILLARDIA FL. (NAVAJO).  
 HAAGEANA (MEXICANA).  
 LINEARIS.

Above Collection, 9 pkts. (value \$1.50) SPECIAL OFFER, \$1.00

### Special Offer, 50c

For 75c Value  
 COLLECTION OF NOVELTY  
 ZINNIAS

#### NO DWARF TYPES

FANTASY—Finest Mixed.  
 VICTORY QUILLED or CACTUS FL.  
 SCABIOSA FLOWERED.  
 GIANT PICOTEE—Mixed.  
 GAILLARDIA FL. (NAVAJO).

Above Collection, 5 pkts. (value 75c) SPECIAL OFFER, 50c.



# Zinnias Are Arizona's Most Popular Summer Flower



*Zinnia, Will Rogers*

## Liefgreen's Gold Medal Dahlia Flowered Zinnias

The **DAHLIA FLOWERED ZINNIA** is the most popular of all the Zinnia types grown. They resemble a Dahlia in appearance, and when in full bloom often measure 5 and 6 inches in diameter. The plants are of medium height, 2½ to 3 ft., very robust, bearing many strong stems of the fully double, beautifully colored flowers. Excellent for garden show or for cut flowers.

**WILL ROGERS (NEW)**—Loveliest and most brilliant scarlet red.

**GOLDEN DAWN**—Golden yellow, almost a light orange.

**ELDORADO**—Salmon apricot in delightful shades.

**EXQUISITE**—Light rose with deep rose center.

**GOLDEN STATE**—Yellow orange in bud turning to deep orange.

**DREAM**—Deep rosy lavender.

**POLAR BEAR**—A very large pure white.

**ILLUMINATION**—A deep soft rose.

**ORIOLE**—An immense orange and gold bicolor.

**CRIMSON MONARCH**—Deep crimson. Flowers very large.

**CANARY BIRD**—Delicate primrose yellow.

**PURPLE PRINCE**—Dark purple.

Each Color: Pkt. 15c, ¼ oz. 50c, oz. \$1.50.

**LIEFGREEN'S GOLD MEDAL DAHLIA FLOWERED ZINNIA MIXTURE**—A blend of the very best types of Dahlia Flowered Zinnias. Pkt. 10c, ¼ oz. 35c, oz. \$1.25.

**COLLECTION**—The entire collection of 12 Dahlia Flowered Zinnias. Value \$1.80, for \$1.25, postpaid.

## Zinnia, Super Crown o' Gold Pastel Tints

This new Zinnia has each petal overlaid at the base with deep golden yellow, while carrying out the individual flower color at the tip. It is of immense size—midway between the Dahlia Flowered and Giant Mammoth types. Grows to a height of 3 feet. The new pastel tints are bright, containing a wide range of pastel tints.

**MIXED ONLY**—Pkt. 25c, ½ oz. 60c.



*Zinnia (Fantasy) Wildfire*

## New Fantasy Zinnia (Crested and Curled)

The flowers of this type Zinnia have a graceful informal shaggy appearance. The petals are ray-like, curled and interwoven and are quite distinct from all other types of Zinnias. Flowers are of medium size, 2½ to 3 in., and the plants grow to a height of about 2½ to 3 feet.

**FANTASY, WHITE LIGHT**—Pure glistening white.

**FANTASY, STAR DUST**—Rich golden yellow.

**FANTASY, ORANGE LADY**—Bright deep orange.

**FANTASY, ROSALIE**—Beautiful shade of intense rose.

Each Color: Pkt. 20c, ¼ oz. 60c.

**FANTASY, WILDFIRE**—Rich dazzling scarlet. Pkt. 25c, 5 pkts. \$1.00.

**FANTASY FINEST MIXED**—All bright colors. Pkt. 15c, ¼ oz. 40c, oz. \$1.25.



*Zinnia, Super Crown O'Gold, Pastel Tints*



# Liefgreen's Flower Seeds Give Satisfaction



Lilliput Zinnias, Pastel Mixture

## LILLIPUT ZINNIAS

**SPECIAL COLLECTION**—Six varieties, one each of the 6 colors listed above. 60c value for 40c, postpaid.

## Zinnia, Navajo or Gaillardia Flowered

The flowers are very attractive, resembling the double Gaillardia. They are medium size, averaging about 2 inches in diameter, and the sturdy plants attain a height of about 2 feet. The color range is wide and varied, many of the flowers being two-toned.

**MIXED COLORS ONLY**—Pkt. 15c, 1/4 oz. 40c, oz. \$1.25.



Zinnias, (Navajo) Gaillardia Flowered

## Lilliput Pompon Pastel Mixture

Lovely soft shades of apricot, peach, creamy yellow, shell pink, salmon, light rose and orchid. Plants are 12 to 18 inches in height and very free flowering.

**MIXED ONLY**—Pkt. 10c, 1/4 oz. 35c, oz. \$1.00.

## Liefgreen's Lilliput Pompon Zinnias

The Lilliput Zinnias are the most popular for cut flowers. The flowers are small, compact and symmetrical in shape, 1 to 1 1/2 inches in diameter, borne in great quantities on neat, compact plants, 18 to 24 inches in height. We offer the most popular of the brilliant shades.

**CANARY YELLOW**—Bright golden yellow.

**WHITE GEM**—Pure white.

**ORANGE QUEEN**—Golden orange.

**SALMON ROSE**—Unique shade of soft rose.

**PURPLE**—A rich deep purple.

**CRIMSON GEM**—Beautiful ruby red.

**LILLIPUT POMPON MIXED**—All bright shades.

Each: Pkt. 10c, 1/4 oz. 30c, oz. \$1.00.



Statice, Sinuata

## Straw Flowers (Everlasting)

**STRAW FLOWERS (EVERLASTING FLOWERS)** are hardy annuals, bearing beautiful straw-like flowers in various forms and many colors. They may be used for fresh cut flowers, or to preserve, cut the first dry they open, and hang with heads down until dry. We offer the most popular varieties:

**GOMPHRENA or GLOBE AMARANTH**—Sometimes known as Bachelor Button. Very attractive globe-shaped flowers resembling a clover blossom. Plant during the early spring months for summer and fall blooms. Height, 2 feet. **MIXED COLORS**—Pkt. 10c, oz. 60c.

**HELICHRYSUM**—Flowers hang like little bells on stems 2 1/2 feet high. Plant during the fall and winter months. **MIXED COLORS**—Pkt. 10c, 1/4 oz. 25c.

**RHODANTHE**—Colorful daisy-like flowers. Height 2 1/2 ft. Plant during the fall and winter months. **MIXED COLORS**—Pkt. 10c, 1/2 oz. 40c, oz. 75c.

**STATICE SINUATA**—Plants grow to a height of 1 1/2 to 2 ft. and throw large sprays of tiny flowers. Most popular for the garden and as cut flowers, both fresh or dried. Plant during the fall months. We have this in individual colors: Blue, Yellow, Rose, Lavender, White, & Mixed. Each: Pkt. 10c, 1/4 oz. 25c, oz. 40c.

**STATICE CASPIA**—Smaller flowers than Sinuata, same habit. **LAVENDER** only. Plant during the fall months. Pkt. 15c, 1/4 oz. 75c.

**XERANTHEMUM**—Attractive flowers resembling a small double sunflower. Height 2 to 3 feet. Colors bright rose, purple and white. Very free flowering. Plant during the fall and winter months. Pkt. 10c, 1/4 oz. 25c.

**MIXED STRAW FLOWERS**—A mixture made up of the various varieties. Pkt. 10c, 1/4 oz. 25c.

## Ornamental Gourds

Easily grown in any good garden soil. Plant in the spring after danger from frost. Ornamental on the vine and when well dried and covered with shellac or painted in bright colors, gourds lend themselves to many useful and ornamental purposes. Gourds should remain on the vines until they drop easily, then allowed to cure for a couple of months before decorating.

**WARTED SORTS**—Small. Mixed colors and shapes.

**SMALL VARIETIES MIXED**—Many and varied shapes and colors.

**LARGE VARIETIES MIXED**—All popular large varieties.

**LARGE AND SMALL VARIETIES MIXED**—As above.

Each: Pkt. 10c, 1/2 oz. 30c, oz. 50c.

## Ornamental Indian Corn

The kernels are naturally colored in a variety of shades ranging from a very deep wine red through shades of deep orange, gold and light maize with some blues. All colors on the same ear. Pkt. 10c, 1/4 lb. 25c, lb. 75c, postpaid.



# PLANT LIEFGREEN'S Tried and Tested Seeds



Known to the seed trade throughout the Southwest, A. W. (Bert) Liefgreen owns and operates the corporation that bears his name—The Liefgreen Seed Company.

Mr. Liefgreen has had long experience in the growing and selling of flower, vegetable and field seeds, bulbs and nursery stock. Much of Mr. Liefgreen's experience in his chosen field has been gained in the Salt River Valley. His twenty-five years of experience during his residence in Arizona has given him the opportunity to observe and compile data on growing conditions dependent upon irrigation. Such practical experience gives him an understanding of the problems of gardening and makes him appreciate your desires for hardy and beautiful things. He invites you to draw upon his knowledge for your benefit and results.

It has always been the policy of The Liefgreen Seed Company to sell results—not just seeds. The entire business of this establishment is predicated on this policy. You are invited to consult freely with the personnel of the LIEFGREEN SEED COMPANY, Inc.

## HOW TO ORDER BY MAIL

**YOUR NAME AND ADDRESS**—Be sure that your name and address are written very plainly on each order.

**IT MATTERS NOT HOW SMALL YOUR ORDER** nor what you may want in the seed line, we shall be glad to hear from you. Our ambition is to serve you in a manner that will make you one of our satisfied customers.

**MARKET GARDENERS** should avail themselves of Market Gardeners' privileges and write for special quantity prices.

**ERROR IN FILLING ORDERS**—We use the greatest of care in filling, checking and packing orders. Yet should any thing be omitted we will promptly forward when advised. Keep a duplicate copy of your order for comparison.

**REMITTANCES** may be made by Express Money Order, P. O. Money Order or Bank Draft; if stamps or cash, send in registered letter. We must decline sending goods C.O.D. unless 25 per cent of their value accompanies the order.

**ACCOUNTS**—Parties having no account with us, who order goods without remittance, must furnish satisfactory reference.

**WE CARRY ONLY ONE GRADE OF SEED**—That is the best procurable. We fill all of our own seed packets from fresh seed of the highest purity and germination. Follow our Planting Guide and Cultural Directions as given in our catalog.

**NON-WARRANTY**—The Liefgreen Seed Co. gives no warranty, express or implied, as to the description, quality, productiveness, or any other matter of seeds, bulbs, plants or trees they send out, and they will not be responsible in any way for the crop.

## DOMESTIC PARCEL POST RATES

For the convenience of our out-of-town customers we list many items at postpaid prices.

For Items Not Listed Postpaid, Customer May Figure Rate from Chart Below

On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions. Weight limit 70 lbs. Local delivery, 1st lb. 7c; each add'l. 2 lbs. 1c.	First Pound or Fraction	Additional Pound or Fraction
First Zone, Phoenix and within 50 miles of Phoenix	8c	1c
Third Zone, within 50 to 150 " " "	8c	1c
Third Zone, within 150 to 300 " " "	9c	2c
Fourth Zone, within 300 to 600 " " "	10c	4c
Fifth Zone, within 600 to 1,000 " " "	11c	5c
Sixth Zone, within 1,000 to 1,400 " " "	12c	7c
Seventh Zone, within 1,400 to 1,800 " " "	14c	9c
Eighth Zone, within all over 1,800 " " "	15c	11c

ADD 2% TO COVER STATE RETAIL SALES TAX (Customers outside of Arizona need pay no Sales Tax.)

Prices subject to change without notice.

## Free Parking When You Come to Liefgreen's

DIRECTLY EAST OF OUR STORE is our spacious parking lot. Drive in, make yourself at home, no confusion, no tickets, no bother, and avoid the trouble that comes when you try to park in the more congested areas.



# MECHLIN'S . . . Insecticides, Fungicides and Fertilizers



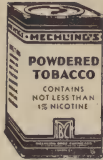
## PYROTE GARDEN INSECT SPRAY

A highly concentrated liquid combining Rotenone and Pyrethrum with other insecticidal ingredients plus a neutral spreader. Does not require the addition of soap. Pleasant odor. Simply dilute with water according to directions on each container. Kills both sucking and chewing insects attacking flowers, shrubbery, lawns and vegetables.

1 oz. bottle	.....	\$ .35, postpaid \$ .40
5 oz. bottle	.....	1.00, postpaid 1.15
Pint can	.....	2.25, postpaid 2.50

## POWDERED TOBACCO

A tobacco dust containing 1% Nicotine expressed as alkaloid. A contact and repellent. Suitable for control of aphids and soft-bodied insects if dusted when plants are damp. Used as a mulch in pots, window boxes and greenhouse benches to repel and to give control of some root-feeding insects and others that complete their development in soil before climbing plants to feed. Used for strawberry Rootworm and Rose Midge. Used for mixing with poultry feed for control of Round Worm in chickens and turkeys.



1-lb. canister	.....	25c, postpaid 35c
5-lb. bags	.....	65c, postpaid 80c

## FILMFAST SPREADER

Eliminates spotty spraying and excessive run-off of spray materials. Spreads insecticides and fungicides evenly over foliage, fruits and vegetables, giving better control.



2 lb. pkg.	.....	45c, postpaid 65c
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## SPOR-GO COPPER Mildew Spray

For Downy Mildew and all fungus diseases controllable by copper. Far superior to ordinary Bordeaux—most economical to use. Compatible with Pyrote. One ounce of Spor-Go will make 2½ gallons of finished spray.

8 oz. canister	.....	\$ .50, postpaid \$ .60
20 oz. canister	.....	1.00, postpaid 1.15



## VEGET-AID Complete Plant Food

For lawns, gardens, shrubs, trees, vegetables. Compounded on base of granular Tobacco Stems which add humus to the soil. Contains no sand or inert filler. THERE IS NO WASTE IN VEGET-AID.

1 lb. carton	.....	\$ .10
5 lb. carton	.....	.45
10 lb. bag	.....	.75
25 lb. bag	.....	1.50
50 lb. bag	.....	2.50
100 lb. bag	.....	4.00

All f.o.b. Phoenix—Postage extra.

## SLUGSNAIL BAIT

Contains Metaldehyde and Calcium Arsenate. Attracts and destroys Slugs and Snails, also controls Sowbugs, Cutworms, Earwigs and Strawberry Root Weevils. Works quickly and effectively. See the results overnight.

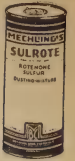
1 lb. carton	.....	\$ .25 each, postpaid \$ .35
2½ lb. bag	.....	.50 each, postpaid .65
6 lb. bag	.....	1.00 each, postpaid 1.25
30 lb. bag	.....	3.75 each, f.o.b. Phoenix



## SULROTE

A Rotenone-Sulfur dusting mixture. Contains 0.80% Rotenone. Efficient as an insecticide, fungicide and repellent. Excellent for Gladiolus Thrips, Rose Chiggers, Flea Beetles, Cabbage Worms; affords protection against Mildew and Black Spot, Carnation Alternaria, etc. Contains no arsenic or fluorine. 10 oz. push-pull canister operates as a convenient duster.

Push pull duster	.....	50c, postpaid 65c
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## BORDEAUX MIXTURE

A Copper-Sulfate and Lime mixture (123/4% Copper), the standard control for fungus diseases (Blight, Rust, Wilt and Mildew) on vegetables, flowers fruit and shade trees. Mixed with water, 8 pounds to 50 gallons gives equivalent of 4-4-50 Bordeaux.

1 lb.	.....	35c, postpaid 45c
4 lbs.	.....	75c, postpaid 95c



## PARIS GREEN

A poisonous powder for control of potato bugs, worms, caterpillars, slugs, etc. A particularly high-grade product, warranted strictly pure. Exceptionally deep, rich, green color.

¼ lb.	.....	\$ .20, postpaid \$ .25
½ lb.	.....	.30, postpaid .40
1 lb.	.....	.50, postpaid .60
5 lb.	.....	2.25, postpaid 2.45



## DRY LIME SULFUR

A dry, fine yellow powder containing the full strength of lime and sulfur in chemical combination; identical with the liquid form except that all moisture has been removed by a special evaporating process. A convenient material for effective control of San Jose Scale, Scab, Peach Leaf Curl, Cherry Leaf Spot. Easy to mix.

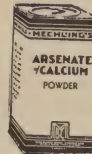
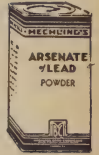
1-lb. cans	.....	\$ .35, postpaid \$ .45
5-lb. cans	.....	1.45, postpaid 1.60



## ARSENATE OF LEAD (Powder)

Affords protection against the ravages of chewing insects on foliage, flower or fruit. Dilute 1 pound to 25 gallons liquid or 1 to 6 with hydrated lime or sulfur for dusting. Recommended for the control of Sod Webworms. Mechling's Arsenate of Lead is available in either Basic or Standard form.

1-lb. carton	.....	35c, postpaid 45c
4-lb. paper bag	.....	80c, postpaid 95c



## ARSENATE OF CALCIUM

A stabilized cheap arsenate for the control of tomato hornworms, potato bugs, cabbage worms, and cucumber beetles.

1 lb.	.....	25c, postpaid 35c
4 lb.	.....	50c, postpaid 65c



## COPPER-ROTENONE DUST

Dusting mixture of Copper Rotenone. Controls copper-respondering fungus diseases and many chewing insects. Contains no arsenic. 10 oz. push-pull canister operates as a convenient duster.

Push-pull canister	.....	50c, postpaid 60c
--------------------	-------	-------------------

## MISCELLANEOUS PLANT FOODS AND CORRECTIVES FOR ALL PURPOSES

	3 lb.	5 lb.	10 lb.	25 lb.	50 lb.	100 lb.
Ammonium Phosphate 16-20	.....	\$ .25	\$ .40	\$ .75	\$ 1.25	\$ 2.25
Aluminum Sulphate	.....	.30	.50	.90	2.00	3.50
Blood Meal, Dried	.....	.30	.40	.85	1.75	2.95
Bone Meal, Fine	.....	.25	.40	.75	1.25	1.75
Cotton Seed Meal, Fertilizer	.....	.25	.40	.65	1.10	2.00
Gypsum, Agricultural	.....	.10	.15	.25	.60	.85
Hydrated Lime	.....	.15	.20	.30	.50	.75
Nitrate of Soda	.....	.25	.35	.65	1.10	1.75
Soil Sulfur, Agricultural	.....	.25	.40	.65	1.20	2.00
Sulphate of Ammonia	.....	.25	.35	.65	1.10	1.75
Triple Super Phosphate	.....	.30	.45	.75	1.25	2.00
Sulphate of Iron	.....	.25	.40	.75	1.50	2.25
Sulphate of Zinc	.....	.40	.50	.90	2.00	3.75

All Fertilizers and Soil Correctives are priced f.o.b. Phoenix. Write for quantity prices.

PRICES LISTED HEREIN ARE SUBJECT TO CHANGE WITHOUT NOTICE

LIEFGREEN SEED CO., Phoenix, Arizona



National  
**Eezy Wear**  
Garden Gloves

Give you everything you want —



Women's Sizes  
Small, Med., Large

All-Leather  
SOFT AS KID  
Durable

DIRT-PROOF  
Easy to Wear  
WASHABLE

Men's Sizes  
Small, Med., Large

Economical, too—outwear 6 pairs of fabric gloves and can be used the year 'round for GARDENING, GARAGE, HOUSEWORK, FURNACE, YARD, PAINTING, ETC. They are a real value at 75c a pair, postpaid.



# Liefgreen's Insecticides and Spray Materials

## LIQUID SPRAYS



### Black Leaf 40

A 40% nicotine solution for the control of plant lice or aphids on roses and other garden plants. Must be applied in vapor form with a spray pump.

1 oz. 35c, postpaid 40c; 5 oz. \$1.05, postpaid \$1.15; 1 lb. \$2.50, postpaid \$2.65; 2 lbs. \$3.70, 5 lbs. \$6.90, 10 lbs. \$11.65.

### Garden Volck

Contains nicotine and soap. A complete spray for house gardeners, controlling mealy bugs, scale aphids, thrip, red spider.  $\frac{3}{4}$  oz. 35c, postpaid 45c; pint 85c, postpaid \$1.00; quart \$1.25, postpaid \$1.50.



### Nursery Volck

Effective on practically all insects on ornamental and flowering plants. Odorless, colorless and non-poisonous. Generally three level tablespoons full to 1 gallon water. 1 pt. 50c, postpaid 60c; 1 qt. 75c, postpaid 90c.

### Liquid Fish Oil Soap

Makes spraying more effective as it enables solution to stick to foliage. 1 pt. 50c, postpaid 60c; 1 qt. 75c, postpaid 90c.

### Red Arrow

Kills chewing and sucking insects safely—contains Pyrethrum, Derris and soap in convenient form. Mix in water according to directions and spray.

1 oz. 35c, postpaid 40c;  $\frac{1}{4}$  pt. \$1.00, postpaid \$1.10; 1 pt. \$2.85, postpaid \$2.95; 1 qt. \$5.40, postpaid \$5.55.



### New Evergreen Garden Spray

Kills ants and both sucking and chewing insects such as plant lice, cabbage and cut worms, thrip, cucumber beetle, rose chafer, red spider, mealy bugs, etc. It is harmless to humans and birds.

1 oz. 35c, postpaid 40c; 6 oz. \$1.00, postpaid \$1.10; 16 oz. \$2.15, postpaid \$2.25.



## HITOX--The Insecticide That Kills

DOUBLE-ACTIVE--ECONOMICAL

HITOX — With its double active properties, makes completely successful the control of insects and pests. Its toxic strength acts both as contact and stomach poison to either chewing or sucking insects, securing their extermination and control rapidly and efficiently.

HITOX is packaged in the following sizes:

1 oz. bottle 35c, postpaid 40c; 6-oz. bottle \$1.00, postpaid \$1.10; 1-pt. can \$2.25, postpaid \$2.40.

### BORER-SOL

An ether non-oil emulsion for the elimination of Borers from trees or shrubs. It effects its purpose without the slightest injury to plant life and without sterilizing the soil.

4 oz. bot. 35c, postpaid 45c; 8 oz. bot. 50c, postpaid 60c; 1 pint bottle 75c, postpaid 85c.



### Dustruxol Spray

A contact and fumigating spray for aphids, thrips, mealy bug, etc., does not injure flowers or foliage. One ounce makes 3 to 5 gallons of spray. 1 oz. 35c, postpaid 40c; 4 oz. 90c, postpaid \$1.00.

### Super Destruxol Emulsion (Contains Nicotine)

A staple oil emulsion containing vegetable, mineral and organic oils combined with free Nicotine; controls insect life by suffocation, penetration and by contact; is effective against scale, mealy bug, red spider, etc.

8 oz. 45c, postpaid 55c; 1 qt. \$1.15, postpaid \$1.35; 1 gallon \$2.50.



### Fungusol Emulsion

A combination of oils, ether, copper and free nicotine; is both an insecticide and fungicide; especially recommended for the control of rust, mildew, aphids, thrip, rot and blight.

4 oz. 40c, postpaid 50c; 8 oz. 60c, postpaid 70c; 1 pt. 90c, postpaid \$1.00; 1 qt. \$1.50, postpaid \$1.65.

### Lawn-a-Gen

Combined various ethers with metallic copper, soluble in water; for the control of underground soil pests of certain types; the copper content is effective against fungus diseases that frequently follow underground insect depredation.

4 oz. bot. 50c, postpaid 60c; 8 oz. bot. 90c, postpaid \$1.00; 1 pint bottle \$1.50; postpaid \$1.65.

1 quart bottle \$2.50; 1 gallon bottle \$7.00, f.o.b. Phoenix.



## DUSTING MATERIALS

### Super-Calcium Adhesive Dust Mixture

Special dust for lettuce, peas, tomatoes, etc. For control of many chewing insects including lettuce loopers, alfalfa loopers, pea worms, tomato fruit worms, and corn ear worms. 1 lb. 25c, postpaid 35c; 5 lbs. \$1.00, postpaid \$1.15; 10 lbs. \$1.75, postpaid \$1.90; 50 lbs. bags, \$4.00; 100 lbs. \$7.50.

### Liefgreen's Dry Pyroclide Dust

A powerful NON-POISONOUS dust. Kills worms, aphids and other insects and is non-injurious to humans. Can be used freely on maturing vegetable crops. 1 lb. 40c, postpaid 50c; 10 lbs. \$2.50, postpaid \$2.70; 50 lb. bag, \$8.00; 100 lbs. \$15.00.

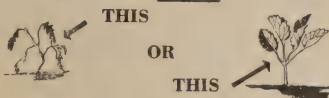
### Nicotine Dust

Ten per cent Black Leaf 40 in dust form. 1 lb. 40c, postpaid 50c; 5 lbs. \$1.25, postpaid \$1.40; 25 lb. steel drum, \$4.00; 50 lb. steel drum, \$7.50; 100 lb. steel drum, \$14.00.

### Super Electric Dusting Sulphur

Used principally to control and prevent mildew on grapes, roses, melons, vines, etc. 1 lb. 10c, postpaid 20c; 10 lbs. 75c, postpaid 90c; 50 lbs. \$2.25; 100 lbs. \$4.25. Write for quantity prices.

## WHICH DO YOU WANT ?



The hormones and vitamins (B, and others) found together only in



THE HORMONE-VITAMIN POWDER

Stop the shock and wilt usually inevitable after transplanting all kinds of plants. . . . Simple, Safe, Economical to use.  $\frac{1}{2}$  oz. packet 25c, 1 oz. can 50c, 3 oz. can \$1.00, 1 lb. can \$4.00.

## Rootone

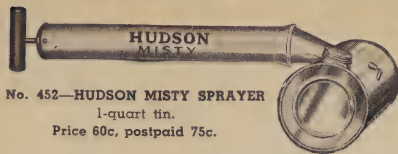
Reg. U. S. Pat. Off.



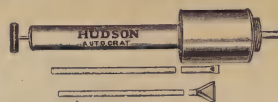
Geranium Cuttings. Treated and Untreated

ROOTONE, the plant hormone powder. Dip cuttings in Rootone before planting to give faster, better, more successful rooting. Mix flower, vegetable or grass seed with Rootone before planting to give faster growth and stronger roots. Easy to use.  $\frac{1}{4}$  oz. packet 25c. 2 oz. jar \$1.00. 1 lb. can \$5.00.

## SPRAYERS, DUSTERS AND SUPPLIES



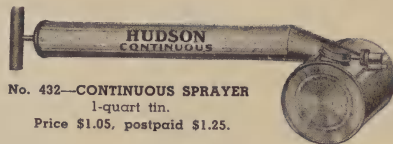
No. 452—HUDSON MISTY SPRAYER  
1-quart tin.  
Price 60c, postpaid 75c.



No. 667 HUDSON AUTOCRAT DUSTER  
Price \$1.45, postpaid \$1.65.



No. 435—CARDINAL SPRAYER  
3-quart galvanized.  
Price \$1.65, postpaid \$1.85.



No. 432—CONTINUOUS SPRAYER  
1-quart tin.  
Price \$1.05, postpaid \$1.25.

HUDSON PERFECTION SPRAYER No. 210-G—  
GALVANIZED TANK. Capacity 4 gallons. Com-  
plete with brass extension rod and adjustable  
brass nozzle. Price \$9.30, postpaid \$9.75.

HUDSON PERFECTION SPRAYER No. 210-B—  
COPPER TANK. Price \$15.00, postpaid \$15.50.

HUDSON JUNIOR SPRAYER No. 240-G—GAL-  
VANIZED TANK. Capacity 2½ gallons, with  
Nu-eez funnel top. Complete with 2-foot brass  
extension rod and nozzle. Price \$6.90, post-  
paid \$7.25.

HUDSON JUNIOR SPRAYER No. 240-B—COPPER  
TANK. Price \$11.50, postpaid \$11.85.

HUDSON THRIFTY SPRAYER No. 120-G—GAL-  
VANIZED TANK with funnel top. Capacity 2½  
gallons. Complete with 21-inch brass extension  
rod and shut-off valve and brass nozzle. Price  
\$4.85, postpaid \$5.15.

## Champion Duster

The Tip Top Duster is unquestionably the  
ultimate in satisfactory performance. It is a  
real duster that will effectively apply all pow-  
ders, dust, and sulphur, in the most scientific  
and economical manner. For real satisfaction  
use a Champion. Capacity, 22 pounds. Price  
\$20.00, f.o.b. Phoenix.

No. 664—HUDSON ADJUTANT DUSTER  
Price 70c, postpaid 85c.



No. 665—HUDSON MAJOR DUSTER  
Price \$1.15, postpaid \$1.30.

## Tools and Implements

FOR THE

GARDEN—FIELD—GROVE—YARD

We have in stock at all times a wide  
range of best quality tools, implements  
and general sundries necessary for the  
successful upkeep of gardens, farms  
and pleasure grounds.

We shall be happy to quote you on  
any tool or implement you may need.  
Your correspondence is invited.

## "FOOD

Will Win the War . . .  
and Dictate the Peace"

Plant a  
Vegetable Garden

ALL PRICES LISTED HEREIN ARE SUBJECT TO  
CHANGE WITHOUT NOTICE.

## FIELD AND GARDEN SUPPLIES

### Citrus Picking Bags

No. 5—½ Box size, \$2.75, postpaid \$3.00.  
No. 5—¾ Box size, \$3.25, postpaid \$3.50.  
No. 5—4 Box size, \$3.50, postpaid \$3.75.

TREE LABELS—COPPER WIRED—¾ in. long.  
100, 40c; 1000, \$3.00, postpaid.

POT LABELS—Plain—100 (4 in.) 35c; 100 (6 in.)  
50c; 1000 (4 in.) \$2.75; 1000 (6 in.) \$3.50, post-  
paid.

EX PAN PLANTING POTS—Made of tar paper  
for growing early vegetable plants for trans-  
planting to the field. 2x2x4, per 100, 75c; per  
1,000, \$5.00. 3x3x4, per 100, \$1.00; per 1,000  
\$7.00, f.o.b. Phoenix.

PRUNING COMPOUND—TREE HEAL—For cov-  
ering fresh cuts or bruises on trees. Will aid  
nature in healing wounds without retarding  
the growth. Valuable for citrus trees. 1 pt. 30c,  
qt. 50c, gal. can \$1.50, postage extra.

TREE TANGLEFOOT—Protection from climbing  
insects. 1 lb. can 75c, 5 lbs. \$3.50, 10 lbs. \$6.50,  
postage extra.

YUCCA TREE PROTECTORS—For protecting  
trees from frost, insects, etc.

	Weight Per 1000	Price	
		Per 1000	Per 1000
12 in. . . . .	75 lbs.	\$1.50	\$12.00
18 in. . . . .	125 lbs.	1.75	16.00
24 in. . . . .	150 lbs.	2.00	19.00

F.O.B. Phoenix, postage extra.

## Raffia

Its principal use is for tying vines, flowers,  
asparagus, carrots and celery bunches and for  
grafting. Natural color is light straw. 1 lb. 60c,  
5 lbs. \$2.50, postpaid. Ask for quantity price in  
bale lots.

GRAFTING WAX—¼ lb. 25c, ½ lb. 40c, 1 lb.  
85c, postpaid.

BUDDING CLOTH—90c yard, postpaid.

SPHAGNUM MOSS—For packing. Per bale,  
\$3.50, f.o.b. Phoenix.

GREEN MOSS—For lining hanging baskets.  
Per lb. 50c, postpaid. Write for bale prices.

PEAT MOSS—Horticultural soil conditioner.  
Per bale, write for prices.

BINDER TWINE—Price, 5 lb. balls, plain, 75c  
each, postage extra.



"I'M VITAMIZING, SIR," she said

We might add that she mixed her Vitamin B-1 solu-  
tion the Thompson way—no guesswork, no measuring.

**THOMPSON'S VITAMIN B, PELLETS  
AND SHAKE-A-DROP BOTTLE**

One pellet dissolved in new Shake-A-Drop Bottle  
makes correct basic solution. Shake one drop into a  
gallon of tap water for application to potted plants,  
flowers, shrubs. Start vitamizing your own garden now  
for the kind of flowers you've always dreamed of. Box  
of 100 Thompson Vitamin B-1 Pellets (1 mg. each),  
makes 2,000 gals. solution...with new Shake-  
A-Drop Bottle . . . . . **\$1**

Also sold in pure crystalline powder for those who prefer to  
measure solutions, 100 mg., \$1 (makes 2,000 gals. solution).



FERTILIZE - The Easy, Economical Way  
"GAT SPRAYER"

\$1.10 Postpaid

NO EFFORT — NO WASTE

A properly fertilized soil requires less water,  
an important factor where water is  
scarce and prices high.

The secret of applying chemical fertilizer is  
to use plenty of water when fertilizing. The  
"Gat Sprayer" works equally well with high  
or low pressure, carrying the fertilizer either  
in powdered or granulated form directly to  
the roots, eliminating burning.

### DIRECTIONS

Fill ordinary jar with dry chemical fertilizer.  
Attach garden hose and jar to "Gat Sprayer."  
Spray evenly over surface to be fertilized.

### CAUTION

Clean "Gat Sprayer" after using by rinsing  
in water. Remove from jar when not in use.  
Cleaning will prevent destructive chemical  
action.



## DISPLAY CARTON OF GAS BALLS



### Gopher-Gas Balls

Are used by lighting and rolling into the burrows of the gopher, the same as the Gopher Candle. Per doz. 50c postpaid; box of 125, f.o.b. Phoenix, \$4.50; postpaid, \$4.75.



### Dead Sure Rodent Destroyer

This rodent destroyer is in the form of a paper cartridge. After setting the fuse alight, place the cartridge down the burrow and the pests are gassed. Package of 1 dozen, 60c, postpaid 70c doz.

### Poison Barley

For gophers, mice, etc. 1 lb. 25c, postpaid 35c; 5 lbs. \$1.00, postpaid \$1.15.

### Gator Roach Hives



We recommend this roach killer. It is not MESSY or WASTEFUL. Clean, convenient and effective for months. Guaranteed by Good Housekeeping as advertised therein. One pkg. of 3 hives, 40c; 3 pkgs, \$1.00, postpaid.

### ANT POISONS

#### Liefgreen's Ant Poison

For large red ants in the yard or field. In powder form, very effective. 1 lb. 25c, postpaid 35c; 5 lbs. \$1.00, postpaid \$1.15; 10 lbs. \$1.75, postpaid \$1.95.

### Cyanogas

Dust or granular form—for large red ants, etc. 1 lb. can, 70c; 5 lb. can, \$2.50; 25 lb. drum, \$8.50, postage extra.

### DOGZOFF

Discourages dogs — keeps them from places where they are not wanted.

Price, 70c, postpaid.



## SOIL SOAKER



SOIL SOAKER for deep soaking, the water method approved by agricultural colleges and nurseries now available for home use. Equipped with regular hose connection for attaching to hose or pipe. Price, 12 foot, \$1.25; 18 foot, \$1.75; 30 foot, \$2.75; 50 foot, \$4.50, postpaid.

## PEAT MOSS . . .

Peat Moss is a valuable soil improver for all horticultural purposes. It consists chiefly of decomposed vegetable or organic matter and increases the humus content of the soil. It absorbs ten times its weight in water, releasing it for the plants in periods of drought. Use Peat Moss liberally on flower and vegetable gardens and on lawns. Mulch roses, fruit trees, etc., to conserve moisture. A bale of Peat Moss when loosened will cover 700 square feet. Carton of 3 bu. \$2.00; bale, \$5.00, f.o.b. Phoenix.



5 reasons why it pays to fertilize your lawn the **NEW, quick E-Z way!**

1. "E-Z" TO USE—Fill container, guide E-Z Fertilizer Spreader and lawn is covered. Fertilizer need never touch hands.
2. SCIENTIFIC, UNIFORM—E-Z correctly distributes fertilizer.
3. QUICK—Wide container assures complete coverage, speedily, efficiently.
4. ECONOMICAL—Uses right amount of fertilizer—no waste.
5. STRONG—Long life for your E-Z. Excellent for sowing your lawn seed. Order today.



PAT. NO. 2,008,129, PATS. PEND.

\$1.25

Postpaid

Germaco

## E-Z FERTILIZER SPREADER

A Germaco Product  
PAT. PEND.  
T. W. REG.  
U. S. PAT.  
OFFICE



## It's Fun, It's Easy

to keep your garden

pest-free with **NEW**

**HARCO**  
SPRAYER

Plants blighted? Prevent and kill destructive garden pests with new, proven HARCO—professional-type Sprayer at a low price. **Easy to Use.** Simply squeeze pump handles together.

**Sprays Up, Down, Sideways—Without Adjustment.** Conveniently—long extension rod sends penetrating spray onto tops tall shrubbery, 'neath undersides of small plants, into hard-to-reach-places. **Many Uses.** Waters house plants, seedlings in flats. Freshens cut flowers. Sprays potted plants, inside shrubs. Order today. **ONLY \$1.95, postpaid \$2.10**

## Germaco Hotkaps



. . . help you grow earlier, hardier vegetables, flowers

**HOTKAPS**—Strong little hothouses—protect plants from destructive frosts, storms, insects. University tests prove **HOTKAPS** increase yield 18 to 51 per cent, nearly double early marketable yield, ripen crops 3 weeks earlier for highest prices. Quick, easy to set, 100 million used. Premium profits pay for them many times over. Order today. 25 Hotkaps with Setter, 50c. 100 lots, \$1.25—250 for \$4.25—1000 for \$9.00—5,000 lots, \$8.50 per M. Steel Hotkap Setter, \$1.60; Tin Hotkap Setter, 50c; f.o.b. Phoenix. Garden package, 50c; postpaid, 65c.



## Germaco TWIST-EMS

PATENT PENDING. TRADE MARK REGISTERED FOR PATENT OFFICE. MADE IN U.S.A.

Help you support plants quickly, neatly, permanently!

Banish unsightly twine and raffia, needless work with shears. **TWIST-EMS**—strong, waterproof, dark-green, sunfast "invisible" tapes with wire reinforcing—protect stems, permanently support annuals, perennials, vines, shrubs and vegetables. Save time and money arranging flowers, tying bouquets. Millions used by successful nurserymen, professional and amateur gardeners. Buy today.



Box of 250, 4 inch size, 25c postpaid. Box of 125, 8 inch size, 25c postpaid.

We can supply Twist-ems in large quantities and various sizes for vegetable tying. Vegetable shippers and growers please write for quantity prices.





Gardeners Wise  
by Thousands Advise  
**HORMONIZE**



...WITH *Thompson's*  
**HORMONE-VITAMIN FORMULAS**

Products of one of the Nation's largest vitamin producing plants.

## REE-ROOT

Two Formulas: No. 1 and No. 2

Here is an ideal combination of hormones, to induce rapid rooting of cuttings—and B-Complex vitamins to stimulate root growth. No. 1 for sensitive plants, **75c for 2-oz. can;** No. 2 for more hardy, woody plants, **\$1 for 1 1/2-oz. can.**

### TRANSPLANT TABLETS

Reduce root shock and wilting in all transplanting—seedlings, cuttings, mature plants. Proven combination of hormones and Vitamin B-Complex, in new convenient form. Each pellet makes two gallons of solution. **40 tabs 50c; 100 tabs \$1.**

## PREE-PLANT

For quicker germination and sturdier seedlings, add seeds and bulbs with this proven formula before planting. Combines hormones, B-Complex and organic nitrogen. **2 oz. for \$1.**

### VITAMIN B, PELLETS AND B, VITAMIZER

A scientific aid to growth and vitality. Thompson's pellets now contain, in addition to former B, content, all the known factors of Vitamin B-Complex. With easy-to-use Shake-A-Drop bottle, **100 pellets, \$1.**

SPECIAL: 100 B. Pellets with B, VITAMIZER (attaches to garden hose, automatically mixing and distributing solution)—\$2 value—**only \$1.89.**

*Simple directions with all products*

**Try all 4 of these proven products of modern science.**

**BIGGER  
PLANTS AND BLOOMS  
—  
FASTER GROWTH  
—  
GORGEOUS  
FERNS**

**RICH  
FOOD  
Plus  
VITAMIN B1  
GIVE  
RESULTS**

**FULTON'S PLANTABBS**  
provide all the food elements  
essential to stimulate healthy plant  
growth, increase vigor and encourage  
blooms **PLUS** the full, required amount of  
**VITAMIN B1** and root producing hormones.

A rich, complete, balanced food and tonic in  
convenient, clean, white, odorless tablets for all  
flowers, plants, vegetables, fruits, shrubs, in fact every-  
thing that grows in soil. Each tablet a full meal that will  
not burn foliage. Either plant like seed, or dissolve and make  
liquid fertilizer. Results will amaze you. Use this new-day  
method of feeding.

Box of 10 Tablets... \$1.10  
Box of 30 Tablets... \$2.50  
Box of 75 Tablets... \$5.00  
Box of 200 Tablets... \$1.00  
Box of 1000 Tablets... \$3.50



**PLANTABBS**

# WAGE WAR ON INSECT PESTS!

With **UNIVERSAL  
INSECT-O-GUN**

The Insect-O-Gun takes the work out of garden spraying. Simply attach the Insect-O-Gun to your hose and the water pressure does all the work. No valves to adjust—no pumping. Dispenses all solutions and fully guaranteed.

**Priced at only \$4.95**



## ANTROL Kills Sweet and Grease Eating Ants

A SCIENTIFIC METHOD, SAFE,  
SURE, PERMANENT

Antrol is easy to use, economical, safe around children and pets. Consists of small glass containers from which worker ants carry special Antrol Syrup to their nests for food. The ant family is often killed at the source—the only way to get permanent relief. Controls both sweet and grease-eating ants. Guaranteed. Proved in over a million homes. Prices: Antrol Ready-filled set, contains 4 filled feeders, 50c; Antrol Regular Set, 4 containers and 4-oz. bottle syrup, enough for 2 fillings, . . . 75c; Antrol Syrup for refilling, 4-oz. bottle, 30c. Pint bottle, 60c. Prices postpaid.



**SAFE TO USE AROUND CHILDREN AND PETS**  
Can be used inside or outside the house.



### ANTROL ANT TRAPS

Kills both sweet and grease eating ants, contains two kinds of specially prepared material. Each 10c, postpaid. Can be used inside or outside the house.

### SNAROL

Metaldehyde-Arsenical Bait

Attracts and kills snails and slugs. Snarol may also be used to control Sowbugs, Cutworms, Earwigs, etc. A ready-prepared bait meal that is non-injurious to vegetation when used as directed. Retains its effectiveness for from five to ten days after being put out. 1-lb. packages, 25c; 2 1/2-lb. packages, 50c; 6-lb. packages, \$1.00; 10-lb. bags, \$1.50; 50-lb. bags, \$5.50. Postage extra.



### ANTROL SOWBUG-CUTWORM CONTROL

An especially prepared bait made very attractive to these hard to control pests and used by commercial and home gardeners everywhere. Guaranteed to give satisfaction. Packed in cans with convenient pouring spout. 8 oz. can, 35c; 12 oz. can, 45c. Prices postpaid.



Money Enclosed	Amount	Please leave this Space Blank
Money Order		
Check		
Cash		
Stamps		
TOTAL		



Date Rec'd.....  
Amount Rec'd.....  
Items Checked by.....  
Order No.....  
Acknowledged.....

Date Filled.....  
Via.....  
No. Pkgs.....  
Weight.....  
Cost.....  
Filled By.....  
Checked By.....  
Packed By.....

DATE.....

NAME.....  
( Mr., Mrs., or Miss; write name plainly )

STREET ..... R. D. .... BOX .....

POST OFFICE..... P. O. BOX.....

STATE.....EXPRESS OR  
FREIGHT OFFICE.....  
(Only if Different From P. O.)

**IF ITEMS ORDERED ARE NOT POSTPAID BY US — PLEASE ADVISE SHIPPING PREFERENCE — FREIGHT — EXPRESS OR TRUCK LINE.**

We give no warranty express or implied as to description, purity, production or any other matter of any seeds, bulbs or plants we send out, and will not be in any way responsible for the crop.—Liefgreen Seed Co.

[illegible]

WE PAY THE POSTAGE ON ALL FLOWER AND VEGETABLE SEEDS LISTED IN OUR CATALOG. FOR RATE ON ITEMS WE DO NOT POSTPAY, SEE "PARCEL POST RATES" ON THE FIRST PAGE OF CATALOG.





# Vines Are Essential to the Home Beautiful

## Vines Specially Selected for Their Adaptability to Arizona Climate

Plant all vine seed and bulbous roots in the spring after all danger of frost, and continue to plant during the summer months. Provides restful shade and quick and attractive covering for fence, trellis, and bare walls. Vines planted for a profusion of blooms should be fertilized only lightly; for luxuriant foliage soil may be quite rich.

### Morning Glories

**SCARLETT O'HARA**—Beautiful rich dark wine color. Early blooms. Pkt. 20c, 1/4 oz. 50c.

**CLARK'S HEAVENLY BLUE**—Sky blue with golden throat. Early. Pkt. 15c, 1/4 oz. 40c.

**FINEST TALL MIXED**—Shades of rose, blue and white. Pkt. 10c, oz. 25c.

**IMPERIAL JAPANESE**—Variety of colors beautifully shaded. Pkt. 10c, oz. 35c.

### Madeira Vines

One of the best and most popular climbers for foliage effect. Increases very rapidly. Large tubers, 15c each, \$1.25 dozen; medium size, 10c each, \$1.00 dozen; small size, 5c each, 50c dozen, postpaid. Available only during the spring and early summer months.

### QUICK GROWING CLIMBERS AND SHADE VINES

#### Alamo—Mile a Minute

Annual. Grown for foliage only. Pkt. 10c, oz. 25c.

#### Moon Flower

Annual. Large sweet scented. Bloom after sunset.

WHITE or BLUE—Pkt. 10c, oz. 60c.

### FOR BEAUTIFUL BLOOMS AND FOLIAGE

#### Antigonon leptopus (Queen's Wreath)

Perennial. Grows from seed or bulbous roots. It is cut back by frost but renews its growth more luxuriantly each year. Bears lovely rose-pink wreath-like blossoms during the late summer and fall months.

SEED—Pkt. 10c.

BULBOUS ROOTS—(Spring months only.) Large size, 50c each, postpaid.

### Other Vines Popular and Decorative

(All annual unless listed perennial.)

**AUSTRALIAN PEA VINE**—Small rose purple blossoms.

**BALLOON VINE**—Bears a pretty inflated white and green capsule.

**BALSAM APPLE**—Yellow flowers, ornamental warted yellow fruit.

**CYPRESS VINE**—Star-shaped scarlet and white flowers. Fine foliage.

**CARDINAL CLIMBER**—Bright red flowers. Attractive foliage.

**COBOEA SCANDENS (CUP AND SAUCER VINE)**—Perennial. Flowers large, bell-shaped, deep purple in color.

**HYACINTH BEAN (DOLICHOS)**—Purple and white flowers followed by ornamental seed pods. Very popular. Fast growth.

**JAPANESE HOP (HUMULUS)**—Luxuriant foliage for dense rapid growth.

**KUDZU VINE**—Perennial. Quick growing. Large attractive leaves.

**PASSION FLOWER**—Nice foliage growth but few flowers in Arizona.

**PLUMOSUS**—Perennial. Fine feathery foliage, used extensively for green in cut flowers. Soak seed before planting.

**WILD CUCUMBER**—Small white fragrant flowers followed by ornamental seed pods.

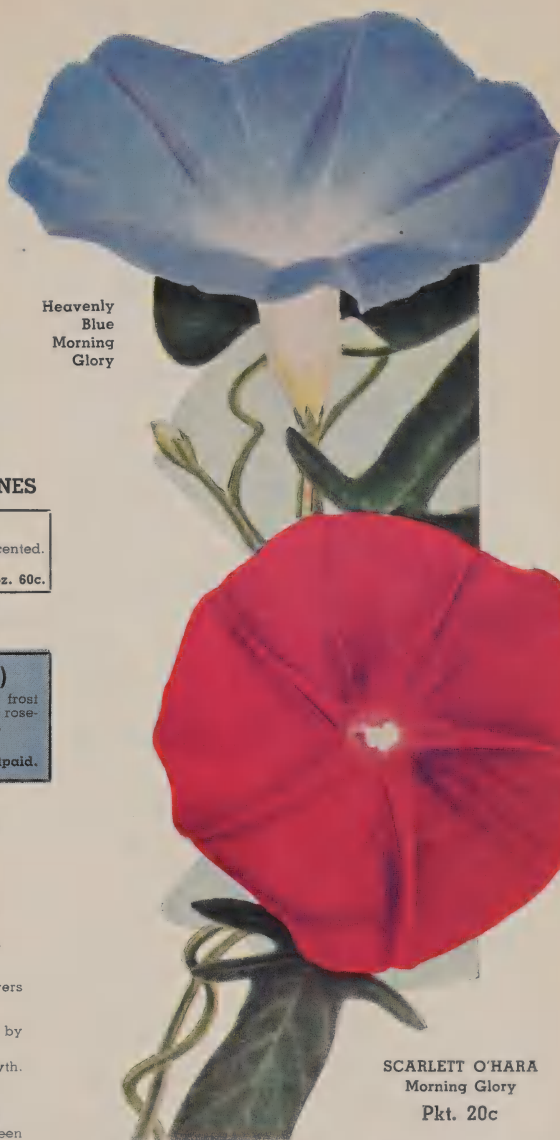
All of the above: 10c per pkt.

**Francis**  
**LEADHEADED**  
**WALL**  
**NAILS**

TO FASTEN climbing plants or vines to outdoor brick or stucco walls.



1 to 1 1/2 inch nail, 50c per dozen, postpaid



## VIGORO

Complete plant food

Inexpensive—Just a Few Pounds of Vigoro Will Make Your Garden Look Like a Million.

It has all the elements plants require from the soil. It's proper nourishment that gives Vigoro-fed plants their great vitality and beauty.

Use Vigoro this year. It costs little and goes far—four pounds properly feeds 100 square feet of lawn or garden area. We recommend clean, odorless Vigoro.

PRICES			
100 lb. bag.....	\$4.25	10 lb. bag.....	\$.85
50 lb. bag.....	2.60	5 lb. bag.....	.45
25 lb. bag.....	1.55	1 lb. bag.....	.10

F. O. B. PHOENIX

# Plant Liefgreen's Choice Bulbs in Arizona Gardens



Ranunculus

## Caladium

**ELEPHANT'S EAR**—The leaves of immense size on massive stems grow to a height of 4 feet. For tropical effect this plant has no equal. First size, 35c each, 3 for \$1.00, postpaid.

## Cannas

Cannas are the most easily grown and most useful bedding plants we have. They thrive in any soil, but respond quickly to good treatment. **LARGE RED, LARGE YELLOW, LARGE BEAUTIFUL PINK.** Each, 15c, \$1.50 per doz.



Tuberose

## Tuberose

The most fragrant of all Tuberose and a wonderful bloomer is the **MEXICAN EVERBLOOMING**. Flowers are pure white and clustered from six to a dozen on stiff stems, making them excellent for cut flowers. The bulbs of these multiply from year to year, producing great masses which should be separated and transplanted every three years. They are very hardy and will grow and bloom in the hottest weather. A dozen bulbs will plant a row 6 feet long.

**MEXICAN EVERBLOOMING, WHITE**—10c each, \$1.00 per dozen, postpaid.

OUR 1942 FALL CATALOG, Listing Fall Bulbs, Flower, Vegetable and Grass Seeds, will be issued for September distribution.

WRITE FOR YOUR COPY

## Dependable Bulbs and Roots for Spring, Summer Ranunculus Bulbs

### Giant Tecolote

Send a Few Ranunculus and Anemone Bulbs to a Friend

We prepay charges to any destination in the United States.

The Ranunculus and Anemone are not well known in the Eastern States. A gift of bulbs would be greatly appreciated by your Eastern flower-loving friends. Advise them to plant in a sunny location to hasten the flowering period. Red, orange, pink, gold and white shades.

In the Salt River Valley and similar climates, Ranunculus and Anemone Bulbs are planted during the months of September, October, November, December and January.



Jumbo—1 in. up

**JUMBO SIZE**—1 inch up. Extra large bulbs. Mixed colors.

8c each; 85c per dozen; \$5.00 per 100.

**TOP SIZE**— $\frac{3}{4}$  to  $\frac{7}{8}$  inch. Large bulbs. Mixed colors.

7c each; 75c per dozen; \$4.50 per 100.

**No. 1 SIZE**— $\frac{5}{8}$  to  $\frac{3}{4}$  inch. Mixed colors. 50 each; 50c per dozen; \$3.00 per 100.

**No. 2 SIZE**— $\frac{1}{2}$  to  $\frac{5}{8}$  inch. Mixed colors. 5c for 2 bulbs; 25c per doz.; \$1.75 per 100.



Top Size  
 $\frac{3}{4}$  to  $\frac{7}{8}$  inch



No. 1 Size N  
 $\frac{5}{8}$  to  $\frac{3}{4}$  inch



No. 2 Size  
 $\frac{1}{2}$  to  $\frac{5}{8}$  inch



60c per pair, postpaid.

## SWAGGERETTES

Most useful household and garden gloves ever made. Snag-proof, water-proof, dirt-proof and heat-resistant. Soft fabric lining—easy to slip on and off.



# Liefgreen's Anemones

These lovely flowers are deservedly popular. With an exceedingly wide range of color and color combinations, and an adaptability for both forcing and outdoor planting, the Anemone is a most useful and satisfactory flower. The plants thrive best in a rather rich, sandy loam, but will do well in most any well-drained garden soil.

SEND A FEW TO YOUR EASTERN FRIENDS



**Jumbo Size**  
3/4 to 5/8 inch



5/8 to 3/4 inch  
**No. 1 Size**



**No. 2 Size**  
1/2 to 5/8 inch

## Monarch De Caen

A magnificent robust growing strain of Poppy Anemone with immense saucer shaped flowers of the most brilliant and varied colors from pink to beautiful shades of blue and brilliant scarlet, borne on long strong stems. Bulbs are small but produce a flower of amazing size.

### MONARCH DE CAEN

Mixed colors. **JUMBO SIZE**—3/4 to 5/8 inch—  
75c per dozen; \$4.50 per 100  
**No. 1 SIZE**—5/8 to 3/4 inch—  
50c per dozen; \$3.00 per 100  
**No. 2 SIZE**—1/2 to 5/8 inch—  
25c per dozen; \$1.75 per 100

### ANEMONE—ST. BRIGID "CREIGH CASTLE"

Mixed colors. Large semi-double flowers of the most brilliant hues and delicate shades and colors, including a good proportion of Rose, Pinks, Lavenders and Blues

**JUMBO SIZE**—3/4 to 5/8 inch. 85c per dozen; \$6.00 per 100.  
**No. 1 SIZE**—5/8 to 3/4 inch. 65c per dozen; \$4.00 per 100.

All Bulbs Sent Postpaid.



Anemone, Monarch de Caen

## BANDINI PLANT FOODS

PRODUCE RESULTS THAT SATISFY



### BANDINI GRO-RITE

Contains Vitamin B-1

A complete plant food containing all the major and minor organic and mineral elements required by the plant. Bandini Gro-Rite gives the plant a complete and balanced diet. It furnishes all the plant foods in their proper proportions. Gro-Rite is clean, odorless, safe to use, and is weed-free. Especially recommended for new or established lawns.

2 1/2 lbs. 30c; 5 lbs. 45c; 10 lbs. 85c; 25 lbs. \$1.55;  
50 lbs. \$2.60; 100 lbs. \$4.25.

### BANDINI WHITE WASH

A dry white powder when mixed with water and properly applied, will give a snow white coat that will stick and NOT RUB OFF. Used for painting trees for sun protection, fences, outbuildings, etc.

FULL INSTRUCTIONS WITH EVERY PACKAGE

2 1/2 lbs. 30c; 5 lbs. 45c; 10 lbs. 75c; 25 lbs. \$1.25, postage extra.



### BANDINI ROSE FOOD

Contains Vitamin B-1

Use this food during the growing period and you will be assured of the correct amount of plant-food which is so helpful toward producing good healthy stock, finer blossoms, and longer stems.

2 1/2 lbs. 30c; 5 lbs. 45c; 10 lbs. 85c; 25 lbs. \$1.55;  
50 lbs. \$2.60; 100 lbs. \$4.25.



### BANDINI AZALEA FOOD

This plant-food is compounded for the purpose of feeding all acid-loving plants. All the plant foods in this fertilizer are acid reacting and should be used on such plants as Azaleas, Camellias, Rhododendrons, Gardenias, Ferns, etc.

2 1/2 lbs. 30c; 5 lbs. 45c; 10 lbs. 85c; 25 lbs. \$1.55;  
50 lbs. \$2.60; 100 lbs. \$4.25.



### BANDINI BULB FOOD

Contains Vitamin B-1

This is a plant-food that is well supplied with Bone Meal (Phosphoric Acid) and Potash. These ingredients are absolutely essential to the proper growth of most bulbs.

There is also sufficient Nitrogen to carry your bulbs through the growing season.

2 1/2 lbs. 30c; 10 lbs. 85c;  
25 lbs. \$1.55; 50 lbs. \$2.60;  
100 lbs. \$4.25

### BANDINI SWEET PEA FOOD

Contains Vitamin B-1

Unexcelled for use at time of planting sweet pea seed and for feeding during the growing season. It not only contains just the correct portions of plant-food but also of Sulphur, Lime, and Tobacco Meal.

2 1/2 lbs. 30c; 5 lbs. 45c; 10 lbs. 85c; 25 lbs. \$1.55;  
50 lbs. \$2.60; 100 lbs. \$4.25.



NOTE—Not Prepaid; Postage or Transportation Extra.  
FURNISHED UPON REQUEST  
PAMPHLETS GIVING COMPLETE DIRECTIONS FOR USE

# Liefgreen's Grass Seeds for Winter and Summer



Success in Lawn Making Requires First of All  
**GOOD SEED**

Liefgreen's Lawn Seeds are thoroughly cleaned and are tested for purity and germination.

When you buy Liefgreen's Lawn Grass Seed you avoid failure and disappointment.

**DIRECTIONS FOR PLANTING**—First level the ground thoroughly and pulverize the soil. Enrich with our Lawn and Garden Fertilizer at the rate of 100 pounds to 3000 square feet. Scatter the seed evenly over the surface at the rate of 1½ to 2 pounds to 10 x 10 feet for Australian Rye Grass; one pound to 10 x 20 feet for Blue Grass; one pound to 500 square feet for Bermuda Grass and one pound to 2000 square feet for White Dutch Clover when planted with other grasses. After sowing spread a light mulch of Horticultural Peat Moss over the surface. The mulch will quicken germination and prevent the soil from crusting. Water carefully and regularly with a fine spray, never allowing the surface to dry out until the grass is up. Plant Rye Grass, Blue Grass and White Clover from September 1st until early spring and Bermuda Grass during the spring, summer and fall months.

PRICES LISTED HEREIN ARE SUBJECT TO  
CHANGE WITHOUT NOTICE.

## Australian Rye Grass

An extremely hardy and the most popular winter lawn grass in the Salt River Valley and similar climates. Our seed is of the highest germinating quality, thoroughly re-cleaned and sure to please. **Postpaid prices:** 1 lb. 30c, 5 lbs. \$1.00, 10 lbs. \$1.75. Not postpaid (i.e. Phoenix) 1 lb. 15c, 5 lbs. 75c, 10 lbs. \$1.50, 25 lbs. \$3.75, 50 lbs. \$6.00.

WRITE OR PHONE FOR QUANTITY PRICES

## Bermuda Grass

Used exclusively for summer lawns in the Salt River Valley and similar climates. We carry a very selected grade of seed, thoroughly re-cleaned, thereby eliminating the undesirable weed seeds. **Lb. 75c, 10 lbs. \$6.50, postpaid.**

## Kentucky Blue Grass

Fancy, re-cleaned seed of tested quality. Used for summer lawns in the higher altitudes and mountain districts and in the warmer sections for winter lawns. **Lb. 50c, 10 lbs. \$4.50, postpaid.**

## Poa Trivialis

Used for golf courses, putting greens and fairways and very satisfactory for lawns in shady places. Leaves are narrow and flat. **Lb. \$1.25, 10 lbs. \$12.00, postpaid.**

## White Dutch Clover

Strictly first-class seed, absolutely clean and pure and of the highest quality. Makes a very attractive lawn when mixed with winter lawn grass. **Lb. \$1.25, 10 lbs. \$12.00, postpaid.**

## Red Top

**AGROSTIS ALBA**—A fine-bladed grass that is often used with Rye Grass and Kentucky Blue Grass for golf courses and lawn purposes. Also used for pasture grass in higher altitudes. For pasture, sow 15 pounds per acre. **Lb. 40c, 10 lbs. \$3.50, postpaid.**

## Seaside Bent

**AGROSTIS MARITIMA**—A true creeping bent, used for putting greens. Our stock is re-cleaned and extremely pure and free from weed seeds. Certified (Blue Tag) seed. **1 lb. \$1.25, 5 lbs. \$5.75, postpaid.**

POSTAGE OR TRANSPORTATION CHARGES PAID BY US ON ALL GRASS SEED UNLESS SPECIFICALLY STATED OTHERWISE.

## FIELD SEEDS, CLOVERS AND GRASS SEEDS

Postage paid on Field Seeds to and including Third Zone only and up to and including 10 pounds.

We request buyers of sack lots or over to write us for special quotations.

Our Field Seeds are thoroughly re-cleaned to insure high germination and purity.

## Alfalfa

**LIEFGREEN BRAND CHILEAN ALFALFA SEED**—Chilean alfalfa seed is the type used very extensively in the Salt River Valley. Plant 20 pounds per acre. **1 lb. 50c, 10 lbs. \$4.00.**  
**LIEFGREEN BRAND HAIKY PERUVIAN ALFALFA SEED**—Produces remarkable amount of tonnage. **1 lb. 50c, 10 lbs. \$4.00.**

## Miscellaneous Grain

AS ALL GRAINS FLUCTUATE IN PRICE, WE ARE UNABLE TO LIST POSITIVE PRICES. PLEASE ASK OR WRITE FOR SAMPLES AND PRICES, STATING QUANTITIES.

**LIEFGREEN'S DWARF MILO MAIZE**—A very select strain of Dwarf Milo Maize. Plant three pounds to the acre. **5 lbs. 50c, 10 lbs. 85c.**  
**LIEFGREEN'S RESELECTED HEGARI**—Harvested from selected heads. **5 lbs. 50c, 10 lbs. 85c.**  
**STANDARD BARLEY.**

**CLUB WHEAT**—Soft spring wheat.  
**WINTER RYE**—A winter pasture crop.  
**EARLY BAART WHEAT**—Planted from October to March.

**TEXAS RED OATS**—For fall and spring sowing.  
**EARLY AMBER CANE**—For pasture we recommend sowing from 50 to 60 pounds per acre.

**RED TOP CANE**—Will make an abundance of fodder either green or cured.

**TEXAS SEEDED RIBBON CANE AND ORANGE CANE**—For syrup purposes.

**SUNFLOWER**—Highly valued by poultry breeders as poultry feed. **1 lb. 25c, 10 lbs. \$2.00, postpaid.**

**GOLDEN MILLET**—Sow 30 pounds per acre. **1 lb. 20c, 10 lbs. \$1.50, postpaid.**

**VETCH**—Sow 40 pounds per acre with grain. **1 lb. 20c, 10 lbs. \$1.50, postpaid.**

## Field Peas and Beans

**WHIP-POOR-WILL COW PEAS**—As a soil renovator. They should be planted at the rate of 50 to 100 pounds to the acre. **1 lb. 25c, 10 lbs. \$1.75, postpaid.**

**BLACK-EYED PEAS**—Easy to grow. **1 lb. 25c, 10 lbs. \$1.75, postpaid.**

**PINK BEANS**—Plant 40 pounds of seed to the acre, in rows about 30 to 36 inches apart. **1 lb. 25c, 10 lbs. \$1.75, postpaid.**

## Cover Crops

**SESBANIA (Wild Hemp)**—Sesbania is a very fast growing plant requiring only 8 to 10 weeks from time of germination to time of plowing under. Sow broadcast at the rate of 30 to 40 pounds per acre. **1 lb. 25c, 10 lbs. \$2.00, postpaid.**

**SWEET CLOVER (Melilotus Alba) or White Blossom Sweet Clover**—Sow in the spring or fall at the rate of 20 to 25 pounds to the acre. Certified seed, per lb. 40c, 10 lbs. \$3.50, postpaid.

**MELILOTUS INDICA (Sour Clover)**—As a cover crop in citrus groves it has no equal. We offer only the best quality, re-cleaned and scarified seed. **1 lb. 15c, 10 lbs. \$1.25, postpaid.**

## Pasture and Hay Grasses

**SUDAN GRASS**—A drought resisting annual. Grows in a wide range of soils, from sand to heaviest adobe. **1 lb. 25c, 10 lbs. \$2.00, postpaid.**

**BROME GRASS (Bromis Inermis)**—An excellent pasture grass for general range purposes. **1 lb. 50c, 10 lbs. \$4.50, postpaid.**

**TIMOTHY**—Sown in our higher altitudes where it is quite successful. Requires 15 pounds per acre when sown alone. **1 lb. 30c, 10 lbs. \$2.50, postpaid.**

**ORCHARD GRASS**—A valuable pasture grass for the higher altitudes of Arizona; produces an immense quantity of forage and hay of the best quality. Sow 35 pounds per acre. **1 lb. 70c, 10 lbs. \$6.50, postpaid.**

**MEADOW FESCUE**—This is a very valuable species for permanent grass lands and is relished by livestock both in hay and pasture. Sow 15 to 20 pounds per acre on well prepared soil. **1 lb. 70c, 10 lbs. \$6.50, postpaid.**

## Cyclone Seeder

Broadcasts seed evenly and is easy to operate. The distributing wheel is strong and rigid. The seed bag is heavy duck canvas, ½ bushel capacity. Shoulder straps are adjustable. Shipping weight 5 lbs.

Price, \$2.75 each, postpaid.





## 1942 VEGETABLE SEEDS

*Carefully Tested and Selected for Home Gardens and Market Gardeners*

### ASPARAGUS

**CULTURE**—Soak seeds 24 hours before planting. Sow in February and March in rows, covering seed about 1 inch. The following winter transplant to rows 3 or 4 feet apart and a foot apart in the rows, with at least 6 inches covering. Asparagus prefers light loamy soils.

**PALMETTO**—Light green; very popular. Pkt. 5c, oz. 15c, ¼ lb. 30c, 1 lb. \$1.00, postpaid.

**SELECTED MARY WASHINGTON**—A new giant rust-proof variety. Pkt. 5c, oz. 20c, ¼ lb. 40c, 1 lb. \$1.25, postpaid.

### Asparagus Roots

Plant one year old roots and do not cut them back. When planting see that the roots are well spread out so that the soil will touch every part. If this is not done the plant cannot thrive.

**MARY WASHINGTON ROOTS**—40c per doz., \$2.00 per 100, postpaid. Ask for quantity prices.

### BEANS ASK FOR QUANTITY PRICE

We Can Always Supply Any Quantity for Large Plantings

**CULTURE**—For a spring crop plant in February, March and April, according to the location. For fall crop, plant in August and early September. Beans enjoy a well-drained loamy soil. Irrigate beans only when needed and do not flood the vines. Cultivate frequently and before the soil has a chance to crust. Plant Bush Beans about 3 inches apart in 3-foot rows at the rate of about 1 pound to 100 feet of row and from 75 to 100 pounds per acre. Plant Pole Beans at the rate of 1 pound to 200 feet of row and about 40 pounds per acre.

**PRICES ON BEAN SEED** — Unless otherwise stated prices are uniformly as follows: Pkt. 5c, ½ lb. 25c, 1 lb. 40c, 10 lbs. \$3.50, postpaid. F.O.B. Phoenix or counter prices as follows: Pkt. 5c, ½ lb. 20c, 1 lb. 30c, 10 lbs. \$2.50.

### Beans—Dwarf or Bush Green Pod

**LIEFGREEN'S TENDERGREEN**—This is a new Bush Bean of utmost value. The plants make a strong and vigorous growth. They are well branched and carry a great quantity of beautiful light green beans. The pods grow 6 to 7 inches long. They are round, extremely meaty, and tender. Even when fully grown they are absolutely stringless.

**LIEFGREEN'S STRINGLESS GREEN POD**—This stringless green pod bean is one of the most popular beans in America. In earliness it is in the lead, in quality it is unexcelled, and as a cropper it is unrivaled. The straight fleshy, round, thick pods are stringless.

### Beans—Bush, Wax Pod

**IMPROVED BLACK WAX**—Round podded. A beautiful bright yellow color, very early and continues long in bearing. Very productive.

**IMPROVED GOLDEN WAX**—This bean is a distinct improvement on the old Golden Wax.

### Pole Beans

**KENTUCKY WONDER (Brown Seeded)**—Very early and enormously productive. Entirely stringless, very tender. Plant as early in the spring as possible, and again in the latter part of July to the 20th of August.

### Lima Beans

**LIEFGREEN'S IMPROVED BUSH LIMA** — The earliest maturing of all the large seeded Limas.

#### POLE LIMAS

**LARGE LIMA**—A pole variety, large seeded, bearing usually three to four beans to a pod.

### Henderson's Bush

Also called Baby Lima, Small White Lima Bean, of excellent flavor, enormously prolific.

**FORDHOOK LIMA**—A large bush Lima.

### CRESS

**FINE CURLED or PEPPER GRASS**—Sow 1 oz. to 50 feet of row. Requires a rich well prepared soil. Plant ½ in. deep in rows 12 to 16 inches apart. When plants are well started thin to 4 to 6 in. apart. Pkt. 10c, oz. 45c, ¼ lb. \$1.50.

**TRUE WATER CRESS**—Thrives best when roots are submerged in water. However, fair success can be had in soil that is kept wet. Pkt. 10c, oz. \$1.20, ¼ lb. \$4.00.

### Liefgreen's Selected

### TABLE BEET SEEDS

**CULTURE**—In the warm sections of Arizona Beets may be planted from August 1 until May 1. In the higher altitudes planting may commence as soon in the spring as weather conditions will allow. One ounce of seed will plant from 50 to 75 feet of row and 6 to 8 pounds are required per acre. Plant in rows of 18 to 24 inches apart and thin to 3 or 4 inches in the row. Cover the seed 1 inch deep and firm the soil after planting. Beets enjoy a light, rich, loamy soil, and frequent cultivation is necessary for rapid and tender growth.

**PRICES ON TABLE BEET SEED.** Pkt. 5c, oz. 30c, ¼ lb. \$1.00.

Due to extreme crop shortage we are not listing prices on Beet Seed in quantities over ¼ lb. Please write for prices in larger quantities.

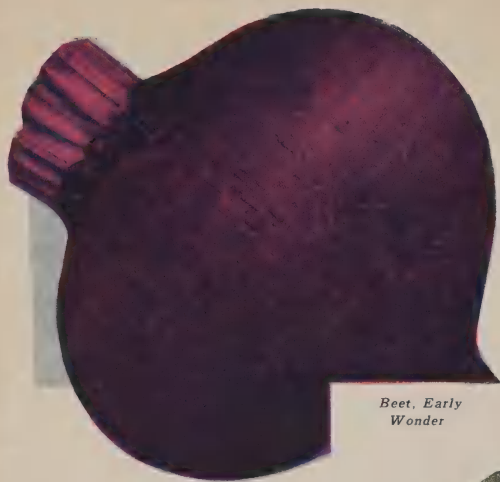
**EARLY WONDER**—A very fine market and table beet. This is an early beet with a very small tap root, small top and is of exceptionably fine dark red color. The beets are slightly flattened and mature very evenly. For a table as well as a canning variety we cannot recommend it too highly.

**DETROIT DARK RED**—This is a fine main crop all-purpose beet. Sweet, tender and fine grained.

**EARLY BLOOD TURNIP**—Flesh very tender and retains its blood red color when cooked.

**CROSBY'S EGYPTIAN**—Our Crosby's is a very superior extra early strain of garden beet which has been very carefully selected for type.

PRICES LISTED HEREIN ARE SUBJECT TO CHANGE WITHOUT NOTICE



Beet, Early Wonder

## STOCK BEETS

Stock Beets are recognized as a very valuable stock food.

**CULTURE**—Sow seed 1 inch deep in well cultivated soil in drilled rows 18 inches to 3 feet apart, the distance depending on the method of cultivation. When large enough, thin plant to 10 inches apart in the row. About 8 pounds is required per acre. As beets germinate slowly, the seed should be planted in moist soil.

**MAMMOTH LONG RED** — The roots of this variety grow to a very large size.

**GOLDEN TANKARD**—Contains more sugar and less water than any other Mangel.

**GIANT HALF SUGAR**—A very heavy yielder. White solid, tender flesh and very sweet.

**SUGAR BEET** (White Klein Wanzleben)—Not the largest in size but the richest in saccharine. It will fatten hogs as quickly as grain.

**ALL STOCK BEET PRICES**—Pkt. 5c, oz. 25c, ¼ lb. 70c; lb. \$2.50, postpaid.

## Swiss Chard

**FOLIAGE BEET**—Ford Hook Giant.

**CULTURE**—Same as beets. A very fine vegetable giving large returns for the little care required. Leaves are rich green turning to white in advanced stages. Used for greens the same as spinach or beet tops. The ribs are excellent cooked and served as you would asparagus. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. \$2.50.

## BROCCOLI

**GREEN SPROUTING ITALIAN** (Calabrese)—The edible portion differs from other Broccolis in use in that the flower heads are borne on long stems which are cooked and eaten along with the flower and are of a very mild flavor, having none of the distinct cabbage flavor. Plant and care for as cabbage or cauliflower. Pkt. 10c, oz. 60c, ¼ lb. \$2.00, 1 lb. \$6.00.

## CELERIAC

(OR TURNIP-ROOTED CELERY)

**CULTURE**—Nearly the same as celery. A form of celery grown for its fleshy roots.

**GIANT PRAGUE**—Produces large smooth roots with few side roots. Pkt. 5c, oz. 50c, ¼ lb. \$1.65, 1 lb. \$5.00, postpaid.

## COLLARDS

**CULTURE**—Similar to cabbage, but does not produce a head.

**TRUE GEORGIA** — A strong growing variety with light green leaves. Pkt. 5c, oz. 20c, ¼ lb. 35c, 1 lb. \$1.00.

## CHIVES

The famous Schnittlauch—highly prized for flavor. The seed of this is not easily germinated and it will be necessary, therefore, to plant a fairly good quantity of the seed if many plants are desired. Pkt. 10c, oz. \$1.50.

## CELERY

Plant in seed beds in May and when seedlings have 3 or 4 leaves, thin to 3 inches apart. Transplant to open field in August. Bleaching is done by drawing the soil to the plants.

**GOLDEN SELF BLANCHING**—Tall, compact, excellent type. Pkt. 5c, oz. 60c, ¼ lb. \$2.00.

**GIANT PASCAL** — Medium broad compact stalks. Fine flavor. Pkt. 5c, oz. 60c, ¼ lb. \$2.00.

## CABBAGE

**CULTURE**: In the warm sections of Arizona, seed should be planted during July and August, in shaded beds, for Fall crop. Also during the Fall and Winter months for Spring harvest. Six ounces will produce plants for 1 acre when transplanted. If drilled in rows and thinned out, 3 to 5 pounds per acre is required.

**GOLDEN ACRE CABBAGE**—Grown from selected Danish import stock seed by one of the very best Danish growers. One of the earliest varieties of Cabbage. It is dwarf in habit, resembles the Copenhagen Market Cabbage, but smaller heads, averaging 2½ to 3 pounds in wt. Pkt. 5c, oz. 60c, ¼ lb. \$2.00, 1 lb. \$6.00.

**COPENHAGEN MARKET**—This variety also is grown from select Danish import stock seed by one of the most reliable growers. Pkt. 5c, oz. 60c, ¼ lb. \$2.00, 1 lb. \$6.00.

**EARLY WINNINGSTADT, Imported**—One of the best early sorts. Pkt. 5c, oz. 50c, ¼ lb. \$1.70, 1 lb. \$5.00.

**DANISH BALL HEAD or HOLLANDER** — The hardest round headed Cabbage in cultivation. Pkt. 5c, oz. 50c, ¼ lb. \$1.75, 1 lb. \$5.00.

**EARLY JERSEY WAKEFIELD**—Grows a small pointed head like the Winnigstad. Pkt. 5c, oz. 50c, ¼ lb. \$1.70, 1 lb. \$5.00.

**EARLY FLAT DUTCH**—Pkt. 5c, oz. 50c, ¼ lb. \$1.70, 1 lb. \$5.00.

**RED DUTCH**—Heads of deep color and very solid. Excellent for cold salad and for pickling. Pkt. 5c, oz. 60c, ¼ lb. \$2.00, 1 lb. \$6.00.

## Chinese Cabbage

**PETSAI**—Grow it the same as you would lettuce. Transplant to 12 inches apart. Our seed is the genuine Chinese imported. Boiled with beef or pork, it is excellent, having a more pleasing flavor than cabbage. It is tender and crisp, branches perfectly and is equally good raw or cooked. Pkt. 5c, oz. 30c, ¼ lb. \$1.00, 1 lb. \$3.00.

PRICES LISTED ARE POSTPAID  
WRITE FOR QUANTITY PRICES



Cabbage, Select Golden Acre

## CAULIFLOWER

**CULTURE** Prepare the seed bed carefully, using only rich and thoroughly pulverized soil. Keep the plants in a healthy and a rapid growing condition. Broadcast in the seed bed. To mature crop for the December market in Southern Arizona, plant seed in July in shaded beds. For a continuous crop throughout the winter season plant seed in July, August, September and October. For Northern Arizona, plant in the spring. When plants are 40 to 45 days in beds they are ready for the field. Transplant to 24 inches apart in rows 30 to 36 inches apart. Five ounces of seed will produce plants for one acre.

LIEFGREEN'S SELECT EARLY

## CAULIFLOWER

**DANISH SNOWDRIFT No. 16**—The earliest and surest heading variety for the Salt River Valley and all of Arizona where an early crop is desired. Our strain of Snowdrift No. 16 is grown in the United States by one of the most particular growers who formerly grew this strain of seed for us in Denmark before the late war curtailed imports. We consider Snowdrift the earliest strain of this type. The leaves grow tall and upright and the inner leaves twirl and cover the head completely. It heads high in the plant, is very smooth and firm and dazzling white. Pkt. 25c, ¼ oz. \$1.65, oz. \$5.00, ¼ lb. \$17.00, 1 lb. \$50.00, postpaid.





# Quality Seeds for Successful Crops

## SWEET CORN



Golden Cross Bantam

## POP CORN

**WHITE RICE**—A popular and productive variety. The kernels are fine, white, and the ears are from 4 to 5 inches long. Large pkt. 5c, 1/2 lb. 20c, 1 lb. 40c, 10 lbs. \$3.00, postpaid.

## FIELD CORN

**FOR ROASTING EARS AND ENSILAGE**

**SACATON JUNE**—A white corn, tall stalks.  
**HICKORY KING**—White, large kernels, used for hominy.

**REID'S YELLOW DENT**—A yellow field corn used in the higher altitudes.

The above field corn: Lb. 25c, 10 lbs. \$2.00, postpaid. Write for quantity prices.

Market Gardeners and Shippers!

## NOTE!

We are headquarters for Market Garden Supplies, Seeds, Sprayers, Insecticides, etc. Please write for special quotations for quantities. Write us in regard to your insect problems.

**CULTURE**—Plant sweet corn in the spring after all danger of frost, when the soil is warm enough to assure germination. Plant 4 to 5 kernels in hills 18 inches apart in 3-foot rows. Cultivate after each irrigation until stalks shade the ground. Do not allow the soil to become too dry at any time. One pound of seed will plant 200 to 300 feet of row or 6 to 10 pounds per acre, depending on the size of the seed. June corn and Hickory King may be planted in June, July and August, while sweet corns should be planted in early spring and again in August and September. Our corn seed is from the very best selected stock. Write us for quantity prices.

**GOLDEN CROSS BANTAM**—Edible in 88 days. This hybrid is undoubtedly one of the best and most prolific of the yellow sweet corns. The ears are 8 to 10 inches long with 14 to 16 rows of kernels, slightly lighter in color and yielding about 40 per cent more marketable ears than Golden Bantam. Grows 5 to 6 feet high with sturdy stalks and deep green foliage. Pkt. 5c, 1/4 lb. 20c, 1/2 lb. 30c, 1 lb. 50c, 10 lbs. \$4.00, postpaid. Write for quantity prices.

**SELECT ADAMS EARLY**—Ready for table use from spring planting in 50 to 60 days, depending on the weather. In the fall it should produce roasting ears in 50 days. It is not a sugar corn but decidedly more hard. Large pkt. 5c, 1/2 lb. 20c, 1 lb. 35c, 10 lbs. \$2.50, postpaid.

**TRUCKER'S FAVORITE**—Best roasting ear—not a true sugar corn. Stalks about 8 feet tall, ears are of medium length and thickness, average 7 to 8 inches, with 12 or 14 rows. Kernels are white. Pkt. 5c, 1 lb. 35c, 10 lbs. \$2.50, postpaid.

**HONEY JUNE CORN**—A cross of our hardy Mexican June and a sweet corn. Same growth characteristics as Mexican June, with a decided sweet corn flavor, tender and juicy. Pkt. 5c, 1/2 lb. 20c, 1 lb. 35c, 10 lbs. \$3.00, postpaid.

**GOLDEN BANTAM**—This golden colored corn is the leading variety for early home garden planting, ears though small are numerous and of finest quality, very sweet and tender. Pkt. 5c, 1/2 lb. 25c, 1 lb. 40c, 10 lbs. \$3.00, postpaid.

**COUNTRY GENTLEMAN**—A good home garden variety, cob small, grains very deep, small and irregular, very sweet and tender. Pkt. 5c, 1/2 lb. 25c, 1 lb. 40c, 10 lbs. \$3.00, postpaid.

**OREGON EVERGREEN**—A very large early variety of sugar corn of excellent flavor and large size. It can be grown early in the spring or late in the fall and is in much demand by the market gardener. This corn is extra sweet and due to the tight folding of its shucks is as near corn worm proof as any. Large pkt. 5c, 1/2 lb. 25c, 1 lb. 40c, 10 lbs. \$3.00, postpaid.

## EGG PLANT

**CULTURE**—Egg Plant grows exceedingly well in Arizona, as it thrives in warm, dry weather. Sow in hot beds or boxes and transplant when danger of frost is over. Plant 2 feet apart in 4-foot rows. To secure a rapid and continuous growth, water and cultivate frequently. One ounce of seed will produce about 1,000 plants.

**BLACK BEAUTY**—The fruits are rich, dark purple, large and symmetrical, maturing a little earlier than our Improved New York Purple but usually not quite as large. Pkt. 10c, oz. 50c, 1/4 lb. \$1.65, 1 lb. \$5.00, postpaid.

**IMPROVED NEW YORK PURPLE**—Large, oval-shaped, deep purple fruits. Pkt. 10c, oz. 50c, 1/4 lb. \$1.65, 1 lb. \$5.00, postpaid.

## GARLIC

**CULTURE**—Plant in the Salt River Valley and similar climates during October and November. In higher altitudes during the spring season. One pound will plant about 50 feet or row.

**GARLIC SETS**—40c per pound, postpaid.

## CARROTS

### Plant Liefgreen's Quality Seeds

Carrots grow in most any soil, although a sandy loam plentifully enriched with well-rotted manure suits them best. Sow 1 oz. of seed to 100 feet of row, 4 lbs. to the acre. Plant from September to May in rows 15 to 18 inches apart. Keep clean by frequent hoeing and weeding.

Due to extreme crop shortage we are not listing prices on Carrot Seed in quantities over 1/4 lb. Please write for prices in larger quantities.

**DANVER'S HALF LONG**—A favorite with market growers and shippers. The tops are medium size. The mature roots are of medium length, 6 to 8 inches long, tapering uniformly to a blunt point. The flesh is of deep orange, tender and of good quality. Pkt. 5c, oz. 50c, 1/4 lb. \$1.75.

**IMPROVED CHANTENAY**—A first-class table variety, stump rooted, broad shouldered, about 5 or 6 in. long. Pkt. 5c, oz. 50c, 1/4 lb. \$1.75.

**OX-HEART**—Especially desirable for soil so hard and stiff that longer-rooted varieties will not thrive in it. The mature roots are 8 1/2 inches long. Pkt. 5c, oz. 50c, 1/4 lb. \$1.75.

**IMPERATOR**—One of the best selling varieties. In appearance it is sleek, 7 to 8 inches in length, with round shoulders, allowing it to bunch well. Its color is deep orange and its core very indistinct. Pkt. 5c, oz. 50c, 1/4 lb. \$1.75.

The Above Are Postpaid.



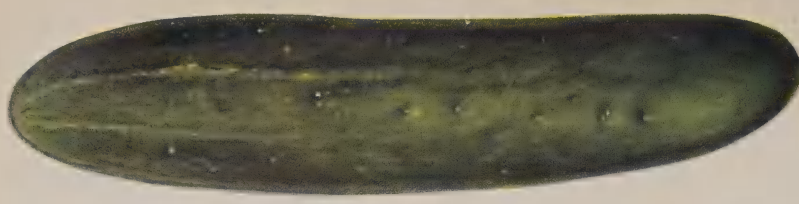
Emperor Carrot

## ENDIVE

**CULTURE**—Sow seed at any time with the exception of the hot summer months. Sow thinly in rows 18 inches apart and cover lightly. When about 4 inches tall they should be thinned out to stand a foot apart in the row. This plant grows to perfection and makes a very delicious salad for winter use. After plants are well grown gather up leaves and tie at tips into a loose bunch to bleach the inner leaves.

**GREEN CURLED RUFFEE**—A hardy vigorous variety with deep green leaves. This variety is generally preferred as it bleaches to a beautiful golden yellow. Pkt. 5c, oz. 20c, 1/4 lb. 40c, 1 lb. \$1.25, postpaid.

# Ask for Larger Quantity Prices



Colorado Cucumber

## CUCUMBER

**CULTURE**—Plant cucumbers in the spring as soon as all danger of frost is over. If you are located in the light frost areas planting may be made two to four weeks earlier and receive the full benefits of the early market prices. In the Salt River Valley and similar sections plantings are also made in the fall, usually August and September. Plant 6 to 10 seeds 1 inch apart each way. One ounce will plant 50 hills, 2 pounds to the acre. After all danger of pests are removed and you are sure of your plants, thin out, leaving three of the strongest plants. Give abundance of water and frequent cultivation for the best results. Cucumbers enjoy a light, sandy, rich soil.

Prices on cucumber seed, unless otherwise noted, are as follows, postpaid: Pkt. 5c; oz. 25c, ¼ oz. 85c, lb. \$2.50.

**COLORADO**—Fruits 9 to 12 inches long. This cucumber is rapidly gaining in popularity and we recommend it highly to the shipper market and home gardener. One of its outstanding qualities is that it does not taper, but is practically the same size from end to end. The color is dark green, making it especially attractive for display. The flesh is crisp and tender. An exceptionally heavy yielder.

**SELECT EARLY FORTUNE**—Very productive, early and disease resistant; fruits about 8 inches long, slightly tapering; flesh is white; very firm and crisp, with few seeds. It is of a rich green color and keeps well. Ready for market in about 60 days.

**PERFECTED DAVIS PERFECT**—A splendid cucumber. Dark, glossy green, slim and symmetrical, with an average length of 10 to 12 inches. Quality fine. Very early.

**SPECIAL LONG GREEN**—Grows from 12 to 14 inches long and is of superior quality. Of fine dark green color and slender. Flesh very firm.

**KLONDIKE**—Another good white spined variety, medium length, dark color, fine quality.  
**BOSTON PICKLING**—Very prolific; largely planted for pickles. The fruits are short, smooth, bright green and of excellent quality. Pkt. 5c; oz. 20c, ¼ lb. 65c, 1 lb. \$2.00.

**JAPANESE CLIMBING**—A very rampant grower, fruits long deep russet, and of excellent quality, weight 2 lbs., 8 to 9 in. long and 2½ inches in diameter.

**LEMON**—A new variety, the color of a lemon when ready for use and similar in shape.

**CLARK'S SPECIAL**—An outstanding variety for shipping, and for market gardeners. Holds its color and firmness when handled long distances. Fruits weigh 2½ lbs., handsome, very dark green color.

## KALE or BORECOLE

**CULTURE**—Sow in drills during the fall and spring months. Transplant to 12 inches apart in 3-foot rows. One ounce required for 100 feet of drill.

**GREEN CURLED SCOTCH**—Grows to a height of 2 feet or more; leaves are bright green and curled. Pkt. 5c, oz. 25c, ¼ lb. 85c, 1 lb. \$2.50, postpaid.

## KOHL RABI

**CULTURE**—Kohl Rabi is a cold weather plant and should be seeded from early fall to early spring, eliminating the hot summer months. In colder sections plant in early spring. Plant like turnips and thin to 6 inches apart. One ounce of seed will produce about 2,000 plants.

**EARLY WHITE VIENNA**—Earliest sort, very tender, excellent for table use. Pkt. 10c, oz. 50c, ¼ lb. \$1.65, 1 lb. \$5.00, postpaid.

**EARLY PURPLE VIENNA**—Similar to above, but has flesh of purple color. Pkt. 10c, oz. 50c, ¼ lb. \$1.65, 1 lb. \$5.00.

## LEEK

**CULTURE**—Plant in seed bed or in drills in the field; when large enough transplant or thin out about 6 inches apart in 18-inch rows. One ounce of seed is required to 150 feet of row.

**LARGE LONDON**—Broad leaves of strong and vigorous growth; very hardy. Pkt. 10c, 1 oz. \$1.00, postpaid.

## HERB SEEDS

### For Planting

Anise, Sweet Basil, Borage, Caraway, Catnip, Chervil, Coriander, Dill, Lavender, Sweet Marjoram, Rosemary, Sorrel, Summer Savory, Saffron, Fennel, Chives.

All Herbs, 10c per packet. Postpaid.

## LETTUCE

**CULTURE**—Lettuce is best suited to rich, light, loamy soil and should never be planted in worn-out soils. At planting time the soil should be in the best of condition. Sow seed on ridges in rows 18 inches apart and when plants are large enough thin to 10 to 15 inches apart. Run the water in furrows between the ridges and never allow the water to touch the plants.

When lettuce is planted early in hot ground plant 2 pounds of seed to the acre. During the winter season, when the soil is cool, ¼ pounds per acre is plenty.

## Head Lettuce

Ask for prices in larger quantities for commercial planting.

**NEW YORK No. 515, IMPROVED**—An early variety well adapted to late spring production in the Salt River Valley. Resistant to tip burn. Heads medium large, compact, attractive. Pkt. 5c, oz. 25c, ¼ lb. 85c, lb. \$2.50.

**NEW YORK SPECIAL**—Hardy, uniform heads, light green outer leaves with the center bleached pure white. Pkt. 5c, oz. 25c, ¼ lb. 85c, lb. \$2.50.

**ARIZONA WONDERFUL**—A splendid variety for market or home use. Large, crisp, tight heads and a great favorite wherever grown. Pkt. 5c, oz. 25c, ¼ lb. 85c, lb. \$2.50.

**IMPERIAL "152"**—Medium sized, solid heads. Quite hardy, very sure heading, also resistant to brown blight. Pkt. 5c, oz. 25c, ¼ lb. 85c, lb. \$2.50.

**IMPERIAL "615"**—One of the largest heading varieties. Resistant to brown blight; does not make suckers. Desirable for early spring cutting. Pkt. 5c, oz. 25c, ¼ lb. 85c, lb. \$2.50.

**ICEBERG**—A splendid head lettuce for spring planting. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

## Leaf Lettuce

**PARIS COS or ROMAINE**—Leaves yellowish white, very crisp and tender; a self-blanching lettuce of superior flavor. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

**DENVER MARKET**—For the family garden plant this variety broadcast on ridges, allowing it to grow thick. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

ALL THE ABOVE POSTPAID



Lettuce, Arizona Wonderful



Kale, Curled Scotch



# Plant Liefgreen's Melons for Best Results

## LIEFGREEN'S WATERMELONS

**CULTURE**—Use our northern grown seed for a successful melon crop. Our melon seed is selected from the very best types and will grow harder larger plants and melons than the average seed. Plant seed in furrow, dropping six seeds every 8 or 10 feet apart. Cover about 2 inches deep. As the vines grow, hill the earth about them until the roots are 10 to 12 inches deep. When safely established, thin vines to about two to the hill. Be sure to cultivate after each irrigation as soon as the condition of the soil will permit. Use 2 to 2½ pounds of seed to the acre.

### LIEFGREEN'S BLACK SEEDED KLONDIKE No. 3

One of the best melons grown for shipping and home use. The rind is very thin and of a medium green color. The flesh is bright red, tender and deliciously sweet. Our seed is of the genuine strain, as our selections are made from perfect specimen melons. Pkt. 5c, oz. 20c, ¼ lb. 50c, 1 lb. \$1.50, 10 lbs. \$12.50, postpaid.

**KLONDIKE BROWN SEEDED**—The outstanding variety for shipping and home garden use in Arizona. Popular because of its delicious flavor and attractive interior color. Flesh bright red and very sweet. Fruits oblong and of uniform green color. Pkt. 5c, oz. 15c, ¼ lb. 40c, 1 lb. \$1.25, 10 lbs. \$10.00, postpaid.

**KLONDIKE, WILT RESISTANT R-7**—Is resistant to fusarium wilt and has all the other qualities of the regular Klondike listed above. Pkt. 5c, oz. 20c, ¼ lb. 50c, 1 lb. \$1.50, 5 lbs. \$7.00, 10 lbs. \$12.50, postpaid.

**NEW STRIPED KLONDIKE No. 11**—This new strain carries as high sugar content as any commercial watermelon. The rind is thin but strong and the flesh is solid and a bright red. A most attractive melon in both outside appearance and when cut. Edible qualities are excellent and delicious. Seeds are black spotted and striped with brown at the edges. Pkt. 5c, oz. 20c, ¼ lb. 50c, 1 lb. \$1.50, 10 lbs. \$12.50, postpaid.

**STONE MOUNTAIN**—A very large oval round shaped melon. Rind dark green and tough. Flesh is deep scarlet and very sweet. A very desirable shipping and home garden melon. Pkt. 5c, oz. 15c, ¼ lb. 35c, 1 lb. \$1.00, postpaid.

**KLECKLY SWEET**—A medium size melon, rind very green and flesh deep red. Delicious flavor. An excellent melon for either home garden or shipping. Pkt. 5c, oz. 15c, ¼ lb. 35c, 1 lb. \$1.00, postpaid.

**ANGELENO WHITE SEEDED**—A fine quality early melon nearly round, dark green; flesh bright red and fine quality. Pkt. 5c, oz. 15c, ¼ lb. 35c, 1 lb. \$1.00, postpaid.

**ANGELENO BLACK SEEDED**—Much like white seeded Angeleno except in color of seed. Pkt. 5c, oz. 15c, ¼ lb. 35c, 1 lb. \$1.00, postpaid.

**IMPROVED BLACK SEEDED CHILIAN**—This melon possesses a rich, fruity flavor. Very sweet and has a thin rind. Pkt. 5c, oz. 15c, ¼ lb. 35c, 1 lb. \$1.00, postpaid.

**IMPROVED WHITE-SEEDED CHILIAN**—A very good melon. It is extra solid, crisp and sugary—a great favorite with the growers. Pkt. 5c, oz. 15c, ¼ lb. 40c, 1 lb. \$1.25, postpaid.

**IRISH GRAY or GENERAL PERSHING**—Color is a yellowish gray. Flesh is a brilliant sparkling red, very sweet and firm. Pkt. 5c, oz. 15c, ¼ lb. 35c, 1 lb. \$1.00, postpaid.

**CITRON or PRESERVING MELON**—For preserves. Fruit round and smooth. Is not eaten raw but is used for making clear transparent preserves of peculiarly fine flavor. Flesh white and solid. Pkt. 5c, oz. 15c, ¼ lb. 35c, 1 lb. \$1.00.



Early Hale's Best No. 45

## CANTALOUPE

**CULTURE**—Thoroughly soak the soil. When dry enough, plow 10 or 12 inches deep. After pulverizing the soil make furrows 8 or 10 inches deep. Plant the seed in furrows 6 feet apart each way, using 8 or 10 seeds to a hill, which will require 1½ pounds to the acre. When paper covers are used, planting in the Salt River Valley generally starts in February and March. If covers are not used, plant after danger of frost is over. As the plants grow, gather the soil around them until the roots are 10 or 12 inches below the surface. Thin out surplus plants as soon as they are hardy and well established. Please remember that the roots are as long as the vine, therefore when working close to the vines let the cultivation be shallow. Always cultivate the irrigating furrow when dry enough so as to conserve the moisture.

**HALE'S BEST No. 45**—Excellent flavor and a good keeper as well as mildew resistant. An early variety developed particularly for the shipping trade. The No. 45 is a true Hale's Best. Oval shape, medium size, with heavy net and a faint stripe. Flesh is deep salmon, thick and firm with small seed cavity. Recommended to plant where mildew is prevalent. Pkt. 5c, oz. 20c, ¼ lb. 45c, 1 lb. \$1.25, postpaid. Ask for quantity prices.

**EARLY HALE'S BEST No. 36**—An extra early salmon tint of remarkable flavor. Melons are oblong, well netted and attractive. Small seed cavity. Ten days to two weeks earlier than other varieties and yields big. One of the best main crop melons. Pkt. 5c, oz. 20c, ¼ lb. 45c, 1 lb. 1.25, postpaid.

**EXTRA-EARLY HACKENSACK (Green Flesh)**—Rounded fruits of medium size, irregularly ribbed and heavily netted. Thick flesh of a delicious sweet flavor. Pkt. 5c, oz. 15c, ¼ lb. 45c, 1 lb. \$1.10, postpaid.

**HONEY BALL**—This melon has become very popular. In appearance it is similar to the Honey Dew, but is smaller and runs more uniform. Has a wonderful flavor and preferred sometimes to the Honey Dew. Pkt. 5c, oz. 20c, ¼ lb. 50c, 1 lb. \$1.50, postpaid.

**IMPROVED ROCKY FORD PERFECTO**—An excellent shipping variety. Melons are heavily netted without ribbing. Flesh orange, thick and has a delicious flavor. Small seed cavity. An excellent melon. Pkt. 5c, oz. 20c, ¼ lb. 40c, 1 lb. \$1.25, postpaid.

**BABY PERSIAN**—A small type Persian melon. Is uniform in size. Fruit is about 6 inches in diameter and can be packed in crates for shipping. A very desirable home gardening type. Pkt. 10c, oz. 20c, ¼ lb. 65c, 1 lb. \$2.00.

## Honey Dew and Casaba

**HONEY DEW**—Excellent flavor, good keeping qualities and very prolific. Flesh is light green and sweet as honey. Ready to pull when green lustre has changed to a creamy yellow and ready to eat when an impression can be made with the thumb. Pkt. 5c, oz. 20c, ¼ lb. 50c, 1 lb. \$1.50, postpaid.

**GOLDEN BEAUTY**—The most popular and the best flavored Casaba melon grown. Grows from 6 to 8 inches in diameter, is nearly round, slightly pointed at the stem end. The wrinkled skin is a beautiful golden yellow and the rind is very hard. The flesh is pure white and very thick. Pkt. 5c, oz. 20c, ¼ lb. 65c, 1 lb. \$2.00, postpaid.

**TIP TOP**—A prime favorite for the home garden or nearby markets. Medium size, deeply ribbed and slightly netted. Flesh is salmon, rich and sweet. Pkt. 5c, oz. 15c, ¼ lb. 50c, 1 lb. \$1.50, postpaid.

PRICES LISTED HEREIN ARE SUBJECT TO CHANGE WITHOUT NOTICE



Watermelon, Selected Black Seeded Klondike



Watermelon, Selected Striped Klondike

# Liefgreen's Superior Onion and Pepper Seed

## MUSTARD

**CULTURE**—Very easy to grow. Sow in the fall and during the winter and spring months. Drill in rows and cover lightly. Mustard is not particular as to soil, but a medium heavy soil is best.

**SOUTHERN CURLED**—The true curled leaf variety. Looks like spinach and has a very agreeable flavor. Pkt. 5c, oz. 15c, ¼ lb. 50c, 1 lb. \$1.50, postpaid.

**OSTRICH PLUME**—Is delicious as well as ornamental; the leaves resemble ostrich plumes, hence the name. Pkt. 5c, oz. 15c, ¼ lb. 50c, 1 lb. \$1.00, postpaid.

**CHINESE WHITE**—This is a delicious vegetable, being less pungent than the American varieties. Like spinach, it thrives during the winter season. Pkt. 5c, oz. 40c, ¼ lb. \$1.35, 1 lb. \$4.00, postpaid.

## OKRA or GUMBO

**CULTURE**—Okra thrives well in Arizona and is a very popular vegetable. Requires a generous supply of water and responds readily to fertilization and cultivation. Plant after all danger of frost is over in drills and thin to 12 inches apart. Sow one ounce to 50 feet of row. To produce really early okra plant heavily, at least 10 or 12 pounds to the acre.

**EARLY DWARF GREEN**—Short pod. Dwarf stocky growth, heavy bearer. The pods are medium short, greenish color, tender and of good flavor. The most popular variety. Pkt. 5c, oz. 15c, ¼ lb. 30c, 1 lb. 75c, postpaid.

**LONG GREEN**—A very productive variety. Long ribbed pods. Pkt. 5c, oz. 15c, ¼ lb. 30c, 1 lb. 75c, postpaid.

## LIEFGREEN'S ONIONS

**CULTURE**—A rich, well drained soil will produce fine onions. If soil is not well drained it will produce thick necked scallions. A well fertilized sandy loam is the best. In the lower altitudes in Arizona, planting starts in September and continues throughout the fall and early winter months. Time of planting depends on the variety. Drill onion seed in 1½-inch rows and irrigate in the furrows between the ridges to avoid flooding the onion, which causes rot, rendering it unfit to ship or keep. Three pounds of seed is required to the acre for dry onions or 1 ounce to 100 feet. For green onions or bunching onions plant 10 pounds per acre. Our onion seed is of the highest type as to germination and purity. Consult with us as to what and how to plant and allow us to quote you quantity prices.

Due to extreme crop shortage, we are not listing prices on Onion Seed in quantities over ¼ lb. Please write for prices in larger quantities.

**WHITE SWEET SPANISH**—Like the original Sweet Spanish, it is a good keeper. We are very proud of our strain as it has given wonderful results. Pkt. 10c, oz. \$1.00, ¼ lb. \$3.50, postpaid.

**UTAH SWEET SPANISH**—Large well shaped brown onions weighing 1 to 3 pounds. Globular, with golden yellow skins, white flesh, very mild, with a pleasing flavor. Pkt. 10c, oz. \$1.00, ¼ lb. \$3.50, postpaid.



Sweet Spanish Onion

**GREAT GREEN BUNCHING ONIONS**—Produces the long tender, sweet green onions which are so popular on the table of those who enjoy good eating. Pkt. 10c, oz. \$1.00, ¼ lb. \$3.00, postpaid.

**CRYSTAL WHITE WAX**—A large white Bermuda type onion that has become very popular. It is very early, very mild in flavor and an excellent shipper and keeper. Pkt. 10c, oz. \$1.00, ¼ lb. \$3.00, postpaid.

**SILVER SKIN**—One of the leading white onions. Average diameter is 4 to 6 inches. The thick skin is a clear silvery white, flesh snow white. Pkt. 10c, oz. \$1.00, ¼ lb. \$3.00, postpaid.

**YELLOW GLOBE DANVERS**—A well known early onion of fine quality. Pkt. 10c, oz. \$1.00, ¼ lb. \$3.00, postpaid.

**YELLOW BERMUDA**—Outer skin is of a pale strawish color. A large flat onion with a very mild flavor. Very early. Pkt. 10c, oz. \$1.00, ¼ lb. \$3.00, postpaid.

## Liefgreen's Onion Sets

One pound of sets will plant about 50 feet of row. White and Yellow. 1 lb. 40c, postpaid; 10 lbs. \$3.00, postpaid. Not postpaid, 25c lb., 2 lbs. 40c, 10 lbs. \$1.75.

## PARSNIP

**CULTURE**—Plant from October to March. Sow in drills in rich soil ½ inch deep and 15 inches apart. Cultivate like carrots and thin to 4 inches apart. One ounce of seed will plant about 100 feet of row; 5 pounds to the acre.

**HOLLOW CROWNED**—The very best parsnips, either for table use or for stock. Pkt. 10c, oz. 25c, ¼ lb. 85c, 1 lb. \$2.50, postpaid.

## PARSLEY

**CULTURE**—Sow in the fall for early spring. As the seed is slow to germinate, a light mulch over the seed bed will retain the moisture and hasten germination. Cover lightly. One ounce of seed will produce about 500 plants.

**MOSS CURLED**—Excellent for garnishment and flavoring and very decorative. Leaves are very fine and crisp. Pkt. 5c, oz. 15c, ¼ lb. 40c, 1 lb. \$1.25, postpaid.

## LIEFGREEN'S PEPPERS

**CULTURE**—Sow seed in hot beds in November, December and January. Transplant to the field when all danger of frost is over unless paper plant protectors are used. Peppers delight in highly fertilized soil and should be kept well watered. Plant 18 inches apart in 30-inch rows. One ounce of seed will produce 1,000 plants or ½ pound seed to the acre.

**CHINESE GIANT**—The ideal stuffing pepper, of exceptional merit. It is very mild in flavor, grows to a large size and is highly productive. Pkt. 10c, oz. 75c, ¼ lb. \$2.50, 1 lb. \$7.50, postpaid.

**ANAHEIM CHILI**—Pods about 7 or 8 inches in length. Because of its agreeable pungency it is one of the most popular peppers on the market. Pods keep for months when dried, which makes it a good, marketable crop. Pkt. 10c, oz. 50c, ¼ lb. \$1.65, 1 lb. \$5.00, postpaid.

**CALIFORNIA WONDER**—It is the best large-fruited pepper in existence, very smooth, heavy, free from creases and wrinkles. Meat thick, tender and of finest flavor. Pkt. 10c, oz. 75c, ¼ lb. \$2.50, 1 lb. \$7.50, postpaid.

**FLORAL GEM**—The favorite variety when a small hot pepper is desired for pickling or highly flavored sauces. Pkt. 10c, oz. 80c, ¼ lb. \$2.65, 1 lb. \$8.00, postpaid.

**PIMIENTO**—Every garden should have a row of this pimiento. For salad, parboil it to remove the skin. Stuffed and baked, it is superior to any other pepper. Pkt. 10c, oz. 35c, ¼ lb. \$1.15, 1 lb. \$3.50, postpaid.

**MEXICAN CHILI**—Popular on account of its extreme pungency. Medium sized and pear shaped. Turns bluish black when dried. Pkt. 10c, oz. 60c, ¼ lb. \$1.85, 1 lb. \$5.50, postpaid.

PRICES LISTED HEREIN ARE SUBJECT TO CHANGE WITHOUT NOTICE

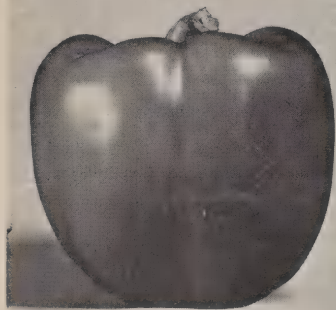
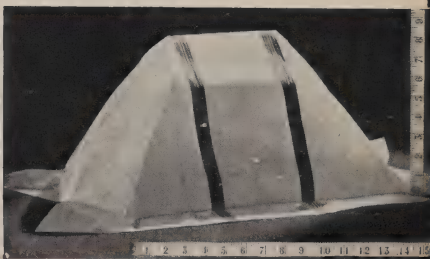
## Germāco

# Hotents

... Enable You to Plant Earlier ...  
Protect Longer!

Big brothers to the famous Germāco Hotkaps. Extra large size provides extra large space for growing plants. Lengthen your season, help you get to market earlier for highest prices. (See Hotkaps, page 21).

PRICES: 500 lots \$7.00; 1000 lots \$13.50. Setter \$1.75; postage or freight extra.



Pepper, California Wonder

LIEFGREEN SEED CO., Phoenix, Arizona



# Superior Seeds for Home Gardening



Early Laxton Progress

## PEAS

**CULTURE**—Plant peas from September to April 1. Peas are hardy and stand a great deal of cold. During cold weather plant seed 1 to 2 inches deep; in the warmer months plant 3 to 4 inches deep. Sixty pounds to the acre is the amount usually used.

Prices on pea seed as follows: Pkt. 5c, 1/4 lb. 15c, 1/2 lb. 25c, 1 lb. 40c, 10 lbs. \$3.00. Postpaid to the 1st, 2nd and 3rd zones.

Prices F.O.B. Phoenix, not postpaid, as follows: Pkt. 5c, 1/2 lb. 15c, 1 lb. 30c, 10 lbs. \$2.50. Write for special quantity prices.

**LAXTON'S PROGRESS (Early)**—Regarded by some large users as the best of the large podded early peas. Pods large, of fine color, and are well filled with large peas of finest quality.

**HUNDREDFOLD**—An early variety and a great favorite. Plant in September for a fall crop.

**DWARF TELEPHONE**—Planted after the Progress, usually in November for a spring crop.

**GIANT STRIDE (Improved Stratagem)**—A very popular late bush variety.

## PEANUTS

**CULTURE**—Plant 25 lbs. unshelled nuts or 15 lbs. of kernels to the acre. There are many sections in Arizona suitable for growing peanuts. A sandy loam is most desirable or a light porous soil that will readily clean from the nut when harvested. Plant in June and July.

**VIRGINIA IMPROVED** is known as a runner, and has a spreading habit of growth and forms pods both at the base of the plant and along the lateral stems. Large nuts. (Sold in the shell.)

**SPANISH HULLED**—This is the most important commercial variety. The habit of growth is upright with heavy foliage and produces close to the base of the plant, which makes it easier to cultivate and harvest. Nuts small. (Sold shelled.)

Lb. 35c, 10 lbs. \$3.00, postpaid.

## SALSIFY

**SANDWICH ISLAND**—An improved type and the largest and most delicious salsify in cultivation. Pkt. 10c, oz. 20c, 1/4 lb. 65c, 1 lb. \$2.00, postpaid.

PRICES LISTED HEREIN SUBJECT TO CHANGE WITHOUT NOTICE

**PLANT LIEFGREEN'S VEGETABLE SEEDS**  
and enjoy the fresh,  
crisp, vitamin and mineral rich vegetables  
that come from the  
home garden.



Radish, Early Scarlet Turnip

## PUMPKINS

**CULTURE**—Plant in hills 8 to 10 feet apart each way in March and July and August. Drop five or six seeds to the hill and thin out to one healthy plant. Pumpkins, like other vine crops, should be irrigated carefully, not allowing the water too near the main stalk. About 1 1/2 pounds are required to the acre. Plant plenty of pumpkins as they make excellent cow and hog feed.

**SMALL SUGAR**—A very popular small variety. The skin is a deep orange yellow and the flesh sweet and fine-grained. Sells better than any other pumpkin on the local market. Excellent for pies. Pkt. 5c, oz. 15c, 1/4 lb. 35c, 1 lb. \$1.00, postpaid.

**LARGE CHEESE**—Large size; reddish orange; flesh thick, fine and sweet. A good keeper. Pkt. 5c, oz. 15c, 1/4 lb. 35c, 1 lb. \$1.00, postpaid.

**JAPANESE PIE**—Nearly solid flesh; the seed cavity being very small, fine-grained, dry and sweet. Taste somewhat like sweet potatoes. They ripen early and are good keepers. Pkt. 5c, oz. 10c, 1/4 lb. 35c, 1 lb. \$1.00, postpaid.

**CONNECTICUT FIELD**—A fine variety for dairy ranches, adding much to the quality and quantity of milk and butter. Excellent keeper. Pkt. 5c, oz. 15c, 1/4 lb. 35c, 1 lb. \$1.00, postpaid.

**IMPROVED YELLOW CASHAW**—A crookneck pumpkin. Solid, fine and sweet. Keeps well. Pkt. 5c, oz. 15c, 1/4 lb. 35c, 1 lb. \$1.00, postpaid.



Pumpkin, Small Sugar

## RADISHES

**CULTURE**—Radishes may be planted almost any month of the year in southern Arizona with the exception of the hottest months. Plant 1 ounce of seed to 100 feet of drill, 10 pounds to the acre.

**LONG WHITE ICICLE**—The most popular long white radish.

**EARLY LONG SCARLET**—Long bright scarlet. Very brittle and sweet. Matures early.

**WHITE TIPPED SCARLET TURNIP**—A table dainty, crisp, tender and sweet.

**EARLY SCARLET TURNIP**—A handsome scarlet, crisp and juicy.

**CRIMSON GIANT**—Twice as large as any other turnip-shaped variety. Does not get hollow or pithy.

**FRENCH BREAKFAST**—An early variety with good flavor and attractive appearance.

**ROUND BLACK SPANISH**—Black skin, white flesh and of firm texture.

**EARLY SCARLET GLOBE**—Oval in shape and is a rich scarlet color.

**MIXED RADISH**—A mixture of all the best varieties.

Price of all radishes listed: Pkt. 5c, oz. 20c, 1/4 lb. 50c, 1 lb. \$1.50, all postpaid.

## RUTABAGA

OR SWEDISH TURNIP

**IMPROVED YELLOW PURPLE TOP**—The popular standard variety, both for stock feeding and for table use.

All of the above turnips and rutabagas, price: Pkt. 5c, oz. 15c, 1/4 lb. 50c, 1 lb. \$1.50, postpaid.

## TURNIPS

**CULTURE**—Sow from September 1 to March 1 in loose loamy soil in double rows on ridges. One ounce of seed will sow about 75 feet of row or 2 pounds to the acre.

**PURPLE TOP WHITE GLOBE**—The most popular and the most attractive turnip on the market. Pkt. 5c, oz. 15c, 1/4 lb. 25c, 1 lb. 75c, postpaid.

**PURPLE TOP STRAP LEAVED**—Quick grower. Flesh very fine grained and sweet. Pkt. 5c, oz. 15c, 1/4 lb. 25c, 1 lb. 75c, postpaid.

**WHITE EGG**—An egg-shaped variety for early or late planting.

**EARLY WHITE FLAT DUTCH**—White flesh, medium size, quick growth. Pkt. 5c, oz. 15c, 1/4 lb. 25c, 1 lb. 75c, postpaid.

**GOLDEN BALL**—Round, smooth, yellow turnip of fine quality. Good keeper. Pkt. 5c, oz. 15c, 1/4 lb. 35c, 1 lb. \$1.00, postpaid.

# Plant Liefgreen's Finer Vegetable Seeds



## SPINACH

**CULTURE**—Sow in drills 12 to 18 inches apart and for a succession, plant every two weeks. Cultivate often and keep free from weeds. Sow from September 1 to April, using 1 ounce of seed to 75 feet of row and from 20 to 25 pounds to the acre.

**PRICKLY WINTER, HOLLANDIA (Broad Leaf)**—A splendid fall and winter variety, quick growing with large green leaves. The leading variety. Ask for quantity prices. Pkt. 5c, oz. 20c, ¼ lb. 50c, 1 lb. \$1.50, 5 lbs. \$6.25, postpaid.

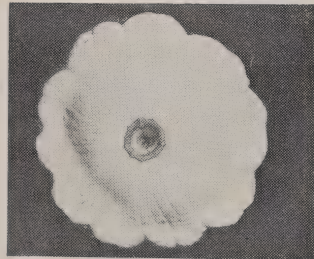
**NOBEL (GIANT THICK LEAVED)**—A recent introduction and the best of the round seeded thick leaved varieties. Heavy yielding, leaves very large, thick, broad, smooth and deep green in color. We recommend "Nobel" for either home, market garden or canning use. Pkt. 5c, 1 oz. 20c, ¼ lb. 50c, 1 lb. \$1.50, 5 lbs. \$6.25.

## SQUASH

**CULTURE**—Sow in the spring after all danger of frost is over and also in the fall in time to mature a crop before frost. Light, warm soil is best. Plant bush varieties in hills 3 to 4 feet apart and vining varieties from 6 to 8 feet apart. Plant about six seeds to the hill and thin out to the three best plants. One ounce will plant about 40 hills of bush varieties and about 15 hills of vining varieties. Two or three pounds is required to the acre.

For very early plantings protect them with Hotkaps.

All varieties squash seed priced as follows: Pkt. 5c, 1 oz. 20c, ¼ lb. 40c, 1 lb. \$1.25, postpaid. Write for quantity prices.



White Bush Scallop

PRICES LISTED HEREIN ARE SUBJECT TO CHANGE WITHOUT NOTICE

## SQUASH (Continued)

### Summer Varieties

**BLACK ZUCCHINI or ITALIAN**—The most desirable sort for the home and market garden. The fruits are long and very dark green. Vines are bush formed and very productive. Fruits are used when quite young and average 4 to 6 inches long.

**GOLDEN YELLOW STRAIGHTNECK**—Select type of golden summer squash with a straight neck instead of curved.

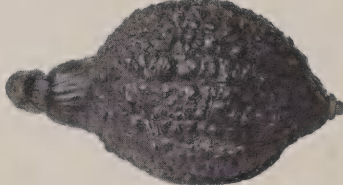
**EARLY SUMMER CROOKNECK**—A small crook-neck summer squash. Skin bright yellow. This is the richest of summer squashes. Very early and productive.

**IMPROVED GREEN TINT WHITE BUSH SCALLOP**—Similar to the White Bush Scallop, but selected for the darker green fruit which holds its color longer and makes it very desirable for market purposes.

### Winter Varieties

**FORDHOOK**—One of the best late varieties and will keep well through the winter if stored in cool, dry place. Thick skin of bright yellow color, heavy meat. Excellent for baking.

**TABLE QUEEN**—A small green squash growing about 7 inches long and 4 to 5 inches thick. Very sweet and fine grained. An excellent keeper for winter use.



Hubbard

**IMPROVED GREEN HUBBARD**—The most popular hard-shelled squash for baking and for pies. Dark, bronz green skin and flesh is fine-grained, thick, dry and richly flavored.

**GOLDEN HUBBARD**—Similar to green Hubbard except in color, which is a deep orange.

**BANANA**—A popular soft shell variety growing 18 inches to 2 feet long, 6 to 8 inches in diameter; skin grayish blue; flesh yellow and fine grained.

## TOMATOES

**CULTURE**—Tomatoes do best in light, warm, rich soil. Sow in hot beds about eight weeks before they are to be set in the field. The time of planting depends on the soil and climatic conditions. If you want early market tomatoes, we advise covering with Hotkap Plant Protectors for frost protection. Transplant 3 to 6 feet apart in rows 4 to 6 feet apart, the distance apart to be governed by the nature of the plants, whether compact, upright growth or of vining habit. Plow and pulverize the soil to a good depth so that the roots may penetrate deeply and avoid the hot surface soil. Use about ¼ pound of seed for field planting or 1 ounce of seed for every 2,000 plants in the hot bed.

**SELECT EARLIANA**—The most popular first early variety grown in the Salt River Valley. The plant is very hardy, with light foliage which tends to early ripening. Yields well and the fruit is solid and of fine quality. Pkt. 10c, oz. 40c, ¼ lb. \$1.35, 1 lb. \$4.00.

**FIRST EARLY**—An exceptionally good strain of Earliana type. Fruit high color solid and smooth. This tomato packs well and is a good shipper. One of the best of the early tomatoes. Pkt. 10c, oz. 60c, ¼ lb. \$2.00, 1 lb. \$6.00, postpaid.



Spinach, Hollandia Prickly Winter

**CHALK'S EARLY JEWEL**—Nearly as early as Earliana. Fruit large and of fine flavor. Pkt. 10c, oz. 40c, ¼ lb. \$1.35, 1 lb. \$4.00, postpaid.

**BREAK-O-DAY**—One of the earliest varieties. Medium size, solid fruit of bright red color. Excellent for the home garden, market and shipping. Pkt. 10c, oz. 40c, ¼ lb. \$1.50, 1 lb. \$4.50, postpaid.

**IMPROVED NEW STONE**—See illustration on back cover. The most popular summer tomato. Good size, bright red, solid, smooth and enormously productive. Pkt. 10c, oz. 55c, ¼ lb. \$1.85, 1 lb. \$5.50.

**NORTON WILT RESISTANT**—A wilt resistant Stone tomato that has gained popularity owing to its wilt resistant qualities. Pkt. 10c, oz. 55c, ¼ lb. \$1.85, 1 lb. \$5.50, postpaid.

**MARGLOBE**—The vine is vigorous, resistant to disease, fruit a large, slightly flattened globe, of fine bright color, very firm and meaty and of the very best quality. Pkt. 10c, oz. 50c, ¼ lb. \$1.65, 1 lb. \$5.00, postpaid.

**DWARF CHAMPION**—Commonly called Tree tomato, early, medium large, purplish pink fruit. Pkt. 10c, oz. 50c, ¼ lb. \$1.65, 1 lb. \$5.00, postpaid.

**PHOENIX SPECIAL**—A good summer tomato. Bright purple scarlet, almost globular in shape. Very productive and quite early. Pkt. 10c, oz. 50c, ¼ lb. \$1.65, 1 lb. \$5.00, postpaid.

**PONDEROSA or BEEFSTEAK**—A very large tomato with very few seeds and of excellent flavor. The color is bright red with very firm substantial meat and luscious flavor. Pkt. 10c, oz. 60c, ¼ lb. \$2.00, 1 lb. \$6.00, postpaid.

**PENN STATE (Certified)**—Very early maturity. Seed from HAND PICKED CROWN SET TOMATOES. An Earliana cross superior in many ways. Self-topping type of vine—short thick stems, compact plants. Fruits are borne in clusters and ripen evenly at about the same time, requiring fewer pickings. Medium in size, smooth, slightly flattened—good red color inside and out and of fine solid internal structure with small seed cavities. Pkt. 10c, oz. \$1.00, ¼ lb. \$3.00.

**DWARF STONE**—Very erect habit of growth, allowing plants to be set as close as 18x24 inches. Very prolific, smooth, and ripens early. Color bright red. Pkt. 10c, oz. 50c, ¼ lb. \$1.65, 1 lb. \$5.00, postpaid.

**RED CHERRY**—Small bright scarlet fruits borne in clusters. Pkt. 10c, oz. 60c, postpaid.

**HUSK or GROUND CHERRY TOMATO**—Immensely productive; the small fruits are enclosed in a husk. Pkt. 10c, oz. 60c, postpaid.

**YELLOW PEAR**—The favorite for preserves. Bright yellow pear-shaped fruit. Rich and distinct flavor. Pkt. 10c, oz. 60c, postpaid.



# Liefgreen's Strawberry Plants Give Satisfaction

## STRAWBERRIES

**IMPROVED KLONDIKE**—This variety does well in hot sections. It is a vigorous grower, very prolific and yields over a long period. A medium size berry of good flavor and is an excellent shipper. Dozen 25c, per 100 plants, \$1.50, postpaid.

**MASTODON, EVERBEARING**—Mammoth sized berries round in shape, medium dark red in color. An early producer bearing both fall and spring. Dozen 50c, per 100, \$2.50, postpaid.

## Strawberry Culture

In the warmer sections of Arizona strawberries are usually planted on raised beds similar to lettuce beds. Alternate plants on each side of the bed about 12 inches apart. Water immediately after planting. Irrigating during the winter depends entirely on weather conditions. During the summer months plants must be watered not less than every three days. Under no conditions should plants be cultivated during the summer months as the plants are very shallow rooted. Allow weeds to grow around the plant during the summer months to provide shade. In the fall months the plants may be cultivated and fertilized. Also fertilize during the bearing season. Strawberries may be planted from the fall months on through to late spring.



## BLACKBERRIES

**TEXAS WONDER BERRY**—A large fruited luscious berry of rich dark color. It is one of the earliest varieties and very productive. Each 15c, doz. \$1.25, \$5.50 per 100, postpaid.

## BOYSENBERRY

This new berry is twice as large as the Youngberry but of the same appearance. The Boysenberry is practically seedless and the flavor is unexcelled. Set the plants 5 or 6 feet apart in rows 8 feet apart for commercial use. In the home garden, they may be set closer together in rows. Strong transplanted roots: Each 15c, 3 for 40c, 12 for \$1.50, 100 for \$8.00, postpaid.

## LOGANBERRIES

Supposed to be a hybrid between the blackberry and raspberry, but it is entirely distinct from either of its parents. When fully ripe it is a very dark red, very large, often an inch and a quarter long. Each 15c, 12 for \$1.25, \$6.50 per 100.

## YOUNGBERRY

This well-known berry is a cross between the loganberry and the dewberry. It has the pleasant flavor of the red raspberry, the juiciness of the loganberry and the jelling and canning qualities of the blackberry. Each 15c, doz. \$1.25, \$5.50 per 100, postpaid.

## USE LIEFGREEN'S BERRY PLANTS FOR SUCCESS

### Asparagus

Asparagus is very easily grown. For the small garden set plants 12 inches apart in rows 3 to 4 feet apart. Set the plants 8 or 10 inches deep in well fertilized trenches. After frost in the fall cut the dead tops and mulch the surface.

**MARY WASHINGTON**—A variety that has come to the front, grows very large and is very rust resistant. 40c per doz., 50 for \$1.25, 100 for \$2.00, \$12.50 per 1000, postpaid.

### Pepper Plant

**CHINESE GIANT, CALIFORNIA WONDER, ANAHEIM CHILL, and PIMIENTO**—From about March until June 1. Per doz. 35c, per 100, \$1.50, postpaid.

### Tomato Plants

Grown from Selected Seeds

**EARLIANA PHOENIX SPECIAL BEEFSTEAK, MARCLOBE, NEW STONE, DWARF CHAMPION and DWARF STONE**—Ready about March 1 until May 15. Per doz. 25c, per 100, \$1.00, postpaid.

### Rhubarb

**GIANT CHERRY**—Stalks of large size and excellent flavor. One of the prime favorites in rhubarb. Large divisions. 25c each, \$2.50 doz., postpaid.

### Egg Plants

**NEW YORK ROUND PURPLE and BLACK BEAUTY**—From about March 1 until May 15. Per doz. 35c, per 100, \$1.50, postpaid.

### Cabbage and Cauliflower

Plants quoted on request. State quantity.

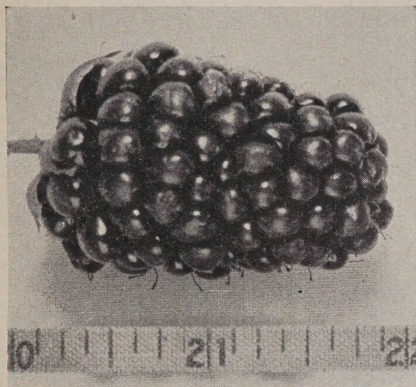
### Sweet Potato Plants

**PORTO RICAN**—Best for Arizona. We can furnish plants from April 1 to July 1. Per doz. 25c, \$1.00 per 100, \$6.00 per 1000, postpaid in first, second and third zones. Write for quantity prices.

## PLEASE READ BEFORE ORDERING

Owing to the expense of packing plants we do not ship orders for less than \$1.00. When we ship plants by mail or express we do so at the buyer's risk, and we do not ship plants C. O. D. Prices quoted in dozen and 100 lots are postpaid.

WRITE FOR QUANTITY PRICES



Boysenberry



Asparagus



# For Best Results Use Liefgreen Seeds

## PLANTING CHART

Kind of Vegetable	Seeds or Roots Required for 100 Feet of Drill	One Acre	Distances for Plants to Stand			Depth of Planting	Ready for Use After Planting —About
			Rows Apart		Plants Apart in Rows		
			Horse Cultivation	Hand Cultivation			
Asparagus—Seed	1 ounce	10 lbs.	30 to 36 in.	1 to 2 ft.	3 in.	1 in.	2 years
Asparagus Roots	60 to 80 roots	1,000 in field	3 to 5 ft.	12 to 24 in.	15 to 20 in.	3 to 5 in.	1 year
Beans, Dwarf	1 1/4 lbs.	80 to 125 lbs.	30 to 36 in.	18 to 24 in.	2 in.	1 to 3 in.	42 to 75 days
Beans, Pole	1 1/2 lb.	40 lbs.	3 to 4 ft.	3 to 4 ft.	12 in.	1 to 3 in.	72 to 90 days
Beets	2 ounces	6 lbs.	28 to 36 in.	12 to 18 in.	2 in.	1 in.	45 to 60 days
Brussels Sprouts	3 pkts.	2 ounces	30 to 36 in.	24 to 30 in.	16 to 24 in.	1/2 in.	100 to 120 days
Cabbage—Early	3 pkts.	1/2 lb.	30 to 36 in.	24 to 30 in.	12 to 18 in.	1/2 in.	90 to 110 days
Cabbage—Late	3 pkts.	1/2 lb.	30 to 40 in.	24 to 36 in.	16 to 24 in.	1/2 in.	110 to 120 days
Carrot	1 ounces.	4 lbs.	30 to 36 in.	18 to 24 in.	2 in.	1/2 in.	55 to 80 days
Cauliflower	3 pkts.	2 ounces	30 to 36 in.	24 to 30 in.	14 to 18 in.	1/2 in.	120 to 150 days
Collards	3 pkts.	1/4 lb.	30 to 36 in.	24 to 30 in.	14 to 18 in.	1/2 in.	100 to 120 days
Corn—Sweet	1/2 lb.	10 lbs.	36 to 42 in.	18 in.	18 in.	1 in.	55 to 90 days
Cress, Water	4 pkts.		Broadcast	10 to 36 in.		Under water.	60 to 70 days
Cucumber	1/2 ounce	2 lbs.	4 to 6 ft.	4 to 6 ft.	4 every 3 ft.	1 in.	50 to 70 days
Egg Plant	2 pkts.	1/4 lb.	30 to 36 in.	24 to 30 in.	18 in.	1/2 in.	125 to 140 days
Endive	1 ounce	2 lbs.	30 in.	18 in.	12 in.	1/2 in.	100 days
Garlic—Sets	70 plants	300 lbs.	30 in.		6 in.		5 to 6 months
Horse Radish	70 roots.		30 to 40 in.	24 to 30 in.	20 in.	3 to 4 in.	1 year
Kale, or Borecole	3 pkts.	1 lb.	30 to 36 in.	18 to 24 in.	18 in.	1/2 in.	55 to 60 days
Kohl-rabi	3 pkts.	1 lb.	30 to 36 in.	18 to 24 in.	6 in.	1/2 in.	55 to 70 days
Leek	1/2 ounce	4 lbs.	30 to 36 in.	14 to 20 in.	4 in.	1/2 in.	120 to 150 days
Lettuce	1/2 ounce	2 lbs.	30 in.	12 to 18 in.	6 in.	1/2 in.	70 to 90 days
Muskmelon	1/2 ounce	2 lbs.	6 to 8 ft.	6 to 18 ft.	4 every 4 ft.	1 in.	85 to 150 days
Watermelon	1 ounce	3 lbs.	8 to 12 ft.	8 to 12 ft.	4 every 6 ft.	1 in.	100 to 130 days
Mustard	3 pkts.	1 lb.	30 to 36 in.	12 to 18 in.	4 or 5 to ft.	1/2 in.	60 to 90 days
New Zealand Spinach	1 ounce	8 lbs.	36 in.	24 to 36 in.	12 in.	1 to 2 in.	90 to 100 days
Okra	2 ounces.	8 lbs.	4 to 5 ft.	3 to 4 ft.	24 in.	1 in.	90 to 140 days
Onion—Seed	1 ounce.	3 lbs.	24 to 36 in.	12 to 18 in.	2 in.	1/2 in.	125 to 150 days
Onion—Sets.	1 qt. of Sets	250 lbs.	24 to 36 in.	12 to 18 in.	4 or 5 to ft.	1 in.	100 days
Parsley	3 pkts.	3 lbs.	24 to 36 in.	12 to 18 in.	3 in.	1/2 in.	65 to 90 days
Parsnip	1/2 ounce	3 lbs.	30 to 46 in.	18 to 24 in.	2 in.	1/2 in.	130 days
Peas	1 lb.	60 lbs.	3 to 4 ft.	20 to 36 in.	1 in.	1 in.	45 to 75 days
Pepper	2 pkts.	2 ounces	30 to 46 in.	18 to 24 in.	15 in.	1 in.	130 to 150 days
Potatoes—Irish	5 lbs.	16 bu.	30 to 36 in.	24 to 36 in.	14 in.	4 in.	90 to 150 days
Potatoes—Sweet	3 lbs. (or 75 slips)	12,000 plants.	3 to 5 ft.	3 to 5 ft.	14 in.	3 in.	150 days
Pumpkin	1/2 ounce.	4 lbs.	8 to 12 ft.	8 to 12 ft.	4 every 6 ft.	1 in.	75 to 90 days
Radish	1 ounce	10 lbs.	24 to 36 in.	12 to 18 in.	1 in.	1/2 in.	20 to 75 days
Rhubarb—Seeds	1/2 ounce		36 in.	30 to 36 in.	2 in.	1/2 to 1 in.	3 years
Rhubarb—Roots	33 roots		3 to 5 ft.	3 to 5 ft.	3 in.	2 to 3 in.	1 year
Rutabaga	3 pkts.	2 lbs.	30 to 36 in.	18 to 24 in.	6 in.	1/2 to 1 in.	90 days
Salsify	1 ounce	8 lbs.	30 to 36 in.	18 to 24 in.	2 in.	1/2 in.	150 days
Spinach	1 ounce	20 lbs.	30 to 36 in.	12 to 18 in.	2 in.	1 in.	45 days is min.
Squash—Summer	1/2 ounce	4 lbs.	3 to 4 ft.	3 to 4 ft.	4 every 4 ft.	1 in.	65 to 70 days
Tomato	2 pkts.	1 1/2 ounces	3 to 5 ft.	3 to 4 ft.	3 every 4 ft.	1/2 in.	125 to 150 days
Turnip	1 ounce.	1 lb., sown broadcast 3 lbs.	24 to 36 in.	18 to 24 in.	2 in.	1/4 in.	45 to 90 days

## NUMBER OF PLANTS TO AN ACRE

### SET AT REGULAR DISTANCE APART

**RULE**—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet for each plant or hill; which divided into the number of square feet (43,560), will give the number of plants to the acre.

Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre	Distance Apart	No. Trees or Plants per Acre
3 x4 in.	522,720	3 x1 ft.	14,520	4 1/2 x4 1/2 ft.	2,150	6x 7 ft.	1,031	11 x11 ft.	360	19x19 ft.	120
4 x4 in.	392,040	3 x2 ft.	7,260	5 x1 ft.	18,712	6x 8 ft.	907	12 x12 ft.	302	20x20 ft.	108
6 x6 in.	174,240	3 x3 ft.	4,840	5 x2 ft.	4,356	6x 9 ft.	806	14 x14 ft.	222	26x26 ft.	69
1 x1 ft.	43,560	3 1/2 x3 1/2 ft.	3,555	5 x3 ft.	2,904	6x10 ft.	726	15 x15 ft.	193	30x30 ft.	48
1 1/2 x1 1/2 ft.	19,360	4 x1 ft.	10,890	5 x4 ft.	2,178	7x 7 ft.	888	16 x16 ft.	170	33x33 ft.	40
2 x1 ft.	21,780	4 x2 ft.	5,445	5 x5 ft.	1,742	8x 8 ft.	680	16 1/2 x16 1/2 ft.	160	40x40 ft.	27
2 x2 ft.	10,890	4 x3 ft.	3,630	5 1/2 x5 1/2 ft.	1,440	9x 9 ft.	537	17 x17 ft.	150	50x50 ft.	17
2 1/2 x2 1/2 ft.	6,960	4 x4 ft.	2,722	6 x6 ft.	1,200	10x10 ft.	435	18 x18 ft.	134	60x60 ft.	12



# Liefgreen's Monthly Planting Guide

FOR THE SALT RIVER VALLEY AND SIMILAR CLIMATES

For the colder sections of Arizona, the time of planting should be determined by the weather conditions. In Northern Arizona and in the higher altitudes, most of the varieties listed here should be planted in the spring, after all danger of frost.

All seeds listed herein are particularly adapted to any section of the United States as well as Arizona, if planted during the proper planting season. You can make your purchases with full confidence.

## February Planting List

**FLOWER SEEDS:** Alyssum, African Daisy, Ageratum, Anemone, Anagallis, Asparagus Fern, Asters, Bachelor Button, Balsam, Browallia, Calceola, Carnation, Candytuft, Calliopsis, Centaurea, Chrysanthemum, Coreopsis, Cactus, Columbine, Cosmos, Clarkia, Canna, Dahlia, Euphorbia, Evening Primrose, Four O'clock, Gaillardia, Gypsophila, Gerbera, Geum, Geranium, Gourds (protected), Hollyhock, Helichrysum, Kochia, Lantana, Larkspur, Linaria, Lobelia, Linum, Moon Vine, Morning Glory, Mignonette, Nierembergia, Nicotiana, Nemophila, Nicotiana, Nasturtium (protected), Pansy, Petunia, Pinks, Painted Daisy, Queen Anne's Lace, Ranunculus, Scabiosa, Salpiglossis, Scarlet Flax, Shasta Daisy, Statice, Snapdragon, Salvia, Stocks, Sweet Peas, Sweet Sultan, Tulips, Virginian Stock, Verbena, Vinca, Vinca, Vine Seeds, Wallflower, Wild Flowers.

**FLOWER PLANTS:** All seasonable varieties.  
**BULBS:** Amaryllis, Anemone, Agapanthus, Caladium, Canna, Calla Lily, Chinese Lily, Gladiolus, Hardy Lilies, Madeira Vine, Ornithogalum (Star of Bethlehem), Paper White Narcissus, Queen's Wreath, Ranunculus, Tuberoses.

**VEGETABLE SEEDS:** Artichoke, Asparagus, Beans, Carrots, Collards, Cress, Chives, Endive, Herbs, Kale, Kohlrabi, Lettuce, Mustard, Okra, Onion, Parsley, Parsnips, Peas, Peppers in Hot-beds, Rutabaga, Radish, Salsify, Swiss Chard, Spinach, Squash, Tomato, Turnips.

**PLANT UNDER COVER FOR EARLY CROPS:** Cucumber, Cantaloupe, Egg Plant, Pepper, Squash, Tomato, Watermelon. (We are headquarters for HOTKAPS and flat cover papers.)

**VEGETABLE PLANTS, ROOTS AND TUBERS:** Artichoke, Egg Plant, Peppers, Tomatoes (in the warmest sections), Asparagus Roots, Irish Potatoes, Onion Sets, Rhubarb Roots, Strawberry Plants, Sweet Potato Tubers in beds.

**LAWN SEEDS:** Bermuda Grass, Blue Grass, Rye Grass, Poa Trivialis, Red Top, White Dutch Clover.

**FIELD SEEDS:** Alfalfa, Barley, Oats, Sweet Clover, Wheat, Field and Pasture Grasses.

## March Planting List

**FLOWER SEEDS:** Alyssum, African Daisy, Amaranthus, Asparagus Fern, Balsam, Chrysanthemum, Cockscomb, Cactus, Castor Bean, Canna, Cosmos, Dahlia, Euphorbia, Four O'clocks, Gerbera, Geum, Gaillardia, Gomphrena, Geranium, Gourds, Helichrysum, Hollyhock, Kochia, Larkspur, Lantana, Linum, Marigold, Morning Glory, Nasturtium, Nicotiana, Petunia, Portulaca, Pinks, Pansy, Salpiglossis, Scarlet Flax, Shasta Daisy, Straw Flowers, Sun Flower, Vinca, Verbena, Vinca, Verbena, Tithonia, Wallflower, Wild Flowers, Woolflower, Zinnias, all Vine Seeds.

**FLOWER PLANTS:** All seasonable varieties.

**BULBS AND ROOTS:** Amaryllis, Agapanthus, Canna, Caladium, Calla Lily, Gerbera, Gladiolus, Madeira Vine, Narcissus, Queen's Wreath Vine, Tuberoses.

**VEGETABLE SEEDS:** Asparagus, Artichoke, Beans, Beets, Carrots, Collard, Corn, Cress, Cucumber, Egg Plant, Endive, Herbs, Kale, Kohlrabi, Leek, Lettuce, Melons, Mustard, Okra, Peas, Peppers, Parsley, Pumpkin, Radish, Salsify, Swiss Chard, Spinach, Squash, Tomato, Turnip.

**VEGETABLE PLANTS, ROOTS AND TUBERS:** Artichoke, Asparagus Roots, Egg Plant, Onion Sets, Peppers, Tomato, Rhubarb Roots, Strawberry Plants, Irish Potatoes, Sweet Potato Tubers in beds.

**LAWN SEEDS:** Bermuda Grass, Blue Grass, Rye Grass, Poa Trivialis, White Dutch Clover.

**FIELD SEEDS:** Alfalfa, Field and Pasture Grasses, Sweet Clover, Barley and Oats for quick pasture.

## April Planting List

**FLOWER SEEDS:** Amaranthus, Asparagus Fern, Castor Bean, Cactus, Cosmos, Cockscomb (Celosia), Gourds, Gaillardia, Gomphrena, Gerbera, Geum, Geranium, Hollyhocks, Helichrysum, Kochia, Lantana, Morning Glory, Marigolds, Nasturtium, Nicotiana, Petunia, Portulaca, Shasta Daisy, Sun Flower, Tithonia, Vine Seeds, Vinca, Verbena, Woolflower, Zinnia.

**FLOWER PLANTS:** In season.

**BULBS AND ROOTS:** Agapanthus, Canna, Caladium, Gerbera, Madeira Vine, Tuberoses, Queen's Wreath Vine.

**VEGETABLE SEEDS:** Asparagus, Beans, Beets, Celery, Corn, Cucumber, Egg Plant, Endive, Herbs, Kale, Kohlrabi, Leaf Lettuce, Leek, Melons, Okra, Peppers, Peanuts, Pumpkin, Radish, Squash, Swiss Chard, Tomato.

**VEGETABLE PLANTS, ROOTS AND TUBERS:** Artichoke, Asparagus Roots, Egg Plant, Onion Sets, Irish Potatoes (in higher altitudes), Sweet Potato Plants, Peppers, Rhubarb Roots, Strawberry Plants, Tomatoes.

**LAWN SEEDS:** Bermuda Grass Seed.

**FIELD SEEDS:** Corn, Cowpeas, Millet, Milo Maize, Hegari, Sorghums, Sudan Grass, Bermuda Grass, Sesbania, Field and Pasture Grasses (in higher altitudes).

## May and June Planting List

**FLOWER SEEDS:** Amaranthus, Asparagus Fern, Celosias (Cockscomb), Cactus, Castor Bean, Cosmos, Gourds, Gaillardia, Kochia, Lantana, Morning Glory, Marigolds, Nasturtium, Nicotiana, Portulaca, Shasta Daisy, Sunflower, Tithonia, Vine Seeds, Vinca, Verbena, Zinnia.

**FLOWER PLANTS:** In season.

**BULBS AND ROOTS:** In season—Canna, Caladium, Madeira Vine, Tuberoses, Queen's Wreath Vine.

**VEGETABLE SEEDS:** Asparagus, Beets, Beans, Celery, Corn, Kale, Melons, Swiss Chard, Peanuts, Peppers, Pumpkin, Squash, Tomato.

**VEGETABLE PLANTS AND ROOTS:** Asparagus Roots, Artichoke, Egg Plant, Peppers, Sweet Potato Plants, Tomato.

**LAWN SEED:** Bermuda Grass Seed.

**FIELD SEEDS:** Cowpeas, Millet, Milo Maize, Hegari, Sorghums, Sudan Grass, Corn, Sesbania, Bermuda for pasture.

## July Planting List

**FLOWER SEEDS:** Cosmos, Celosia (Cockscomb), Cactus, Castor Bean, Gourds, Gaillardia, Lantana, Marigold, Morning Glory, Nicotiana, Portulaca, Shasta Daisy, Sun Flower, Tithonia, Vinca, Vine Seeds, Zinnia.

**FLOWER PLANTS:** In season.

**VEGETABLE SEEDS:** Broccoli, Brussel Sprouts, Cabbage and Cauliflower Seeds in shaded beds, Casaba, Corn, Melons, Peanuts, Pumpkin, Squash, Tomato.

**VEGETABLE PLANTS AND ROOTS:** Egg Plant, Peppers, Tomato, Sweet Potato Plants.

**LAWN SEED:** Bermuda Grass Seed.

**FIELD SEEDS:** Bermuda Grass, Corn, Cowpeas, Millet, Milo Maize, Pink Beans, Sorghums, Sudan Grass, Sesbania.

## August Planting List

**FLOWER SEEDS:** Alyssum, African Daisy, Cactus, Early Cosmos, Gaillardia, Dwarf Marigolds, Nasturtium, Phlox, Portulaca, Tithonia, Virginian Stock, Zinnia.

**FLOWER PLANTS:** In season.

**VEGETABLE SEEDS:** Beans, Beets, Broccoli, Brussel Sprouts, Cabbage, Cauliflower, Carrot, Early Corn, Cucumber, Kale, Peas, Pumpkin, Early Squash, Swiss Chard, Turnip, Rutabaga, Radish.

**VEGETABLE PLANTS:** Cabbage, Cauliflower, Onion Sets, Garlic Sets.

**LAWN SEED:** Bermuda Grass Seed.

**FIELD SEEDS:** Bermuda Grass, Corn, Cowpeas, Millet, Pink Beans (to about Aug. 10), Sudan Grass, Field and Pasture Grasses.

## September and October Planting List

**FLOWER SEEDS:** Alyssum, Ageratum, Arcotids, African Daisy, Anemone, Anagallis, Browallia, Bachelor Button, Calceola, Candytuft, Carnation, Calliopsis, Centaurea, Canterbury Bells, Clarkia, Columbine, Coreopsis, Delphinium, Daisies, Globe Amaranth, Gaillardia, Gypsophila, Godetia, Gerbera, Geum, Geranium, Hollyhock, Hunnemannia, Heliotrope, Larkspur, Linaria, Linum, Lupin, Lobelia, Mignonette, Moon Vine, Nemophila, Nicotiana, Nicotiana, Nasturtium in early September, Painted Daisy, Pansy, Petunia, Phlox, Pinks, Poppies, Pyrethrum, Queen Anne's Lace, Ranunculus, Salpiglossis, Salvia, Scabiosa, Snapdragon, Stocks, Schizanthus, Sweet Peas, Sweet William, Shasta Daisy, Verbena, Virginian Stocks, Venidium, Wallflower, Wild Flowers, all Straw Flowers.

**FLOWER PLANTS IN SEASON:** We carry a complete stock of flower plants for early blooms.

**BULBS:** Amaryllis (October), Agapanthus (October), Anemone, Chinese Lily, Crocus, Calla Lily, Daffodils, Freesias, Hyacinths, Iris, Jonquil, Muscari, Paper White Narcissus, Ranunculus, Soleil d'Or, Ornithogalum (Star of Bethlehem), Tulips, Hardy Lilies (October).

**VEGETABLE SEEDS:** Beets, Broccoli, Brussel Sprouts, Cabbage, Cauliflower, Carrot, Collards, Cress, Endive, Herbs, Kale, Kohlrabi, Lettuce, Mustard, Onion, Parsley, Parsnip, Peas, Radish, Rutabaga, Salsify, Spinach, Swiss Chard, Turnip.

**VEGETABLE PLANTS AND ROOTS:** Cabbage, Cauliflower, Onion Sets, Garlic Sets, Rhubarb Roots, Asparagus Roots, Strawberry Plants.

**LAWN SEED:** Bermuda Grass (September), Blue Grass, Winter Rye Grass, White Dutch Clover, Poa Trivialis, Bent Grass, Red Top.

**FIELD SEEDS:** Alfalfa, Barley, Oats, Winter Rye Grain, Wheat, Field and Pasture Grasses.

## November, December and January Planting List

**FLOWER SEEDS:** Alyssum, African Daisy, Ageratum, Arcotids, Anemone, Anagallis, Bachelor Button, Browallia, Calceola, Canna, Candytuft, Carnation, Calliopsis, Clarkia, Columbine, Coreopsis, Delphinium, Daisies, Geum, Gerbera, Geranium, Gaillardia, Godetia, Globe Amaranth, Gypsophila, Hollyhock, Larkspur, Linaria, Linum, Lupin, Lobelia, Mignonette, Moon Vine, Nemophila, Nicotiana, Nicotiana, Painted Daisy, Pansy, Petunia, Phlox, Pinks, Pyrethrum, Poppies, Queen Anne's Lace, Ranunculus, Salpiglossis, Salvia, Schizanthus, Scabiosa, Snapdragon, Stocks, Sweet Peas, Sweet William, Verbena, Venidium, Virginian Stocks, Vinca, Wallflower, Wild Flowers, all Straw Flowers.

**FLOWER PLANTS:** Plant for early blooms.

**BULBS:** Amaryllis, Anemone, Agapanthus, Chinese Lilies, Crocus, Calla Lily, Daffodils, Freesias, Gladiolus, Hyacinths, Iris, Jonquils, all Hardy Lilies, Muscari, Paper White Narcissus, Ranunculus, Soleil d'Or, Ornithogalum (Star of Bethlehem), Tulips.

**VEGETABLE SEEDS:** Beets, Broccoli, Brussel Sprouts, Carrot, Cabbage, Cauliflower, Collards, Chives, Cress, Endive, Kale, Kohlrabi, Lettuce, Leek, Mustard, Onion, Parsley, Parsnip, Peas, Radish, Rutabaga, Salsify, Spinach, Turnip.

**PLANT UNDER COVER FOR EARLY CROP:** In December and January, Egg Plant, Pepper and Tomato.

**VEGETABLE PLANTS AND ROOTS:** Cabbage, Cauliflower, Onion Sets, Garlic Sets, Rhubarb Roots, Asparagus Roots, Strawberry Plants.

**LAWN SEEDS:** Rye Grass Seed, Blue Grass, White Dutch Clover, Poa Trivialis, Bent Grass, Red Top.

**FIELD SEEDS:** Alfalfa, Barley, Oats, Winter Rye, Wheat, Field and Pasture Grasses.





339 W. VAN BUREN  
PHOENIX, ARIZONA

...Quality Always!

YOUR HOME GARDEN

for

VEGETABLES - VITAMINS - VICTORY



**VEGETABLES** — The National Defense Program calls for more and better foods for America and her allies. A home vegetable garden will supply your family with crisp, succulent vegetables the year round. This not only supplies your own family, but increases commercially grown vegetables for canning and shipping to all allied countries. Do your part. Plant a home garden now. We will do our part to secure seed and sell it to you at prices commensurate with our cost.

**VITAMINS** — Good health is dependent on vitamins. Fresh vegetables supply in abundance most of the vitamins so essential to good health. Healthy individuals make a healthy nation and a healthy nation is a victorious nation. Be healthy by planting a home vegetable garden and growing your own vitamins.

**VICTORY** — Help America win this victory by being and staying healthy and strong. Eat plenty of fresh vegetables daily from your home vegetable garden. We are blessed with this privilege and should take advantage of it. Again we urge you to plant your own garden, thus helping your own country, your supporting nations and yourself.

And above all  
**BUY  
DEFENSE  
BONDS**